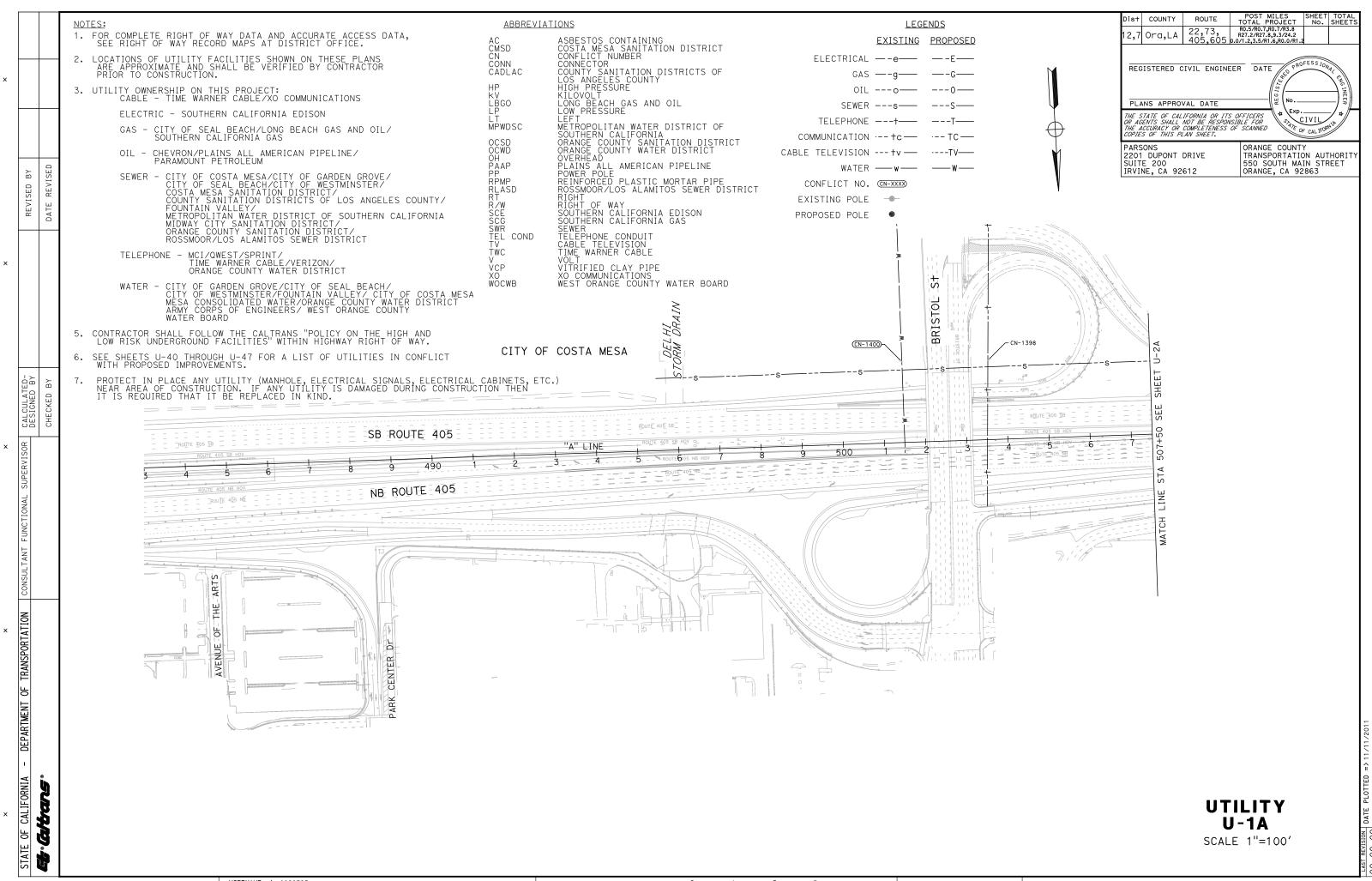
Appendix K Utility Locations

K1: Utility Plans

K2: Utility Conflict Matrix

K3: Utility Protect in Place Matrix

K1: Utility Plans



DGN FILE => ALT 3 UTILITY PLAN Sheets.dgn

RELATIVE BORDER SCALE IS IN INCHES

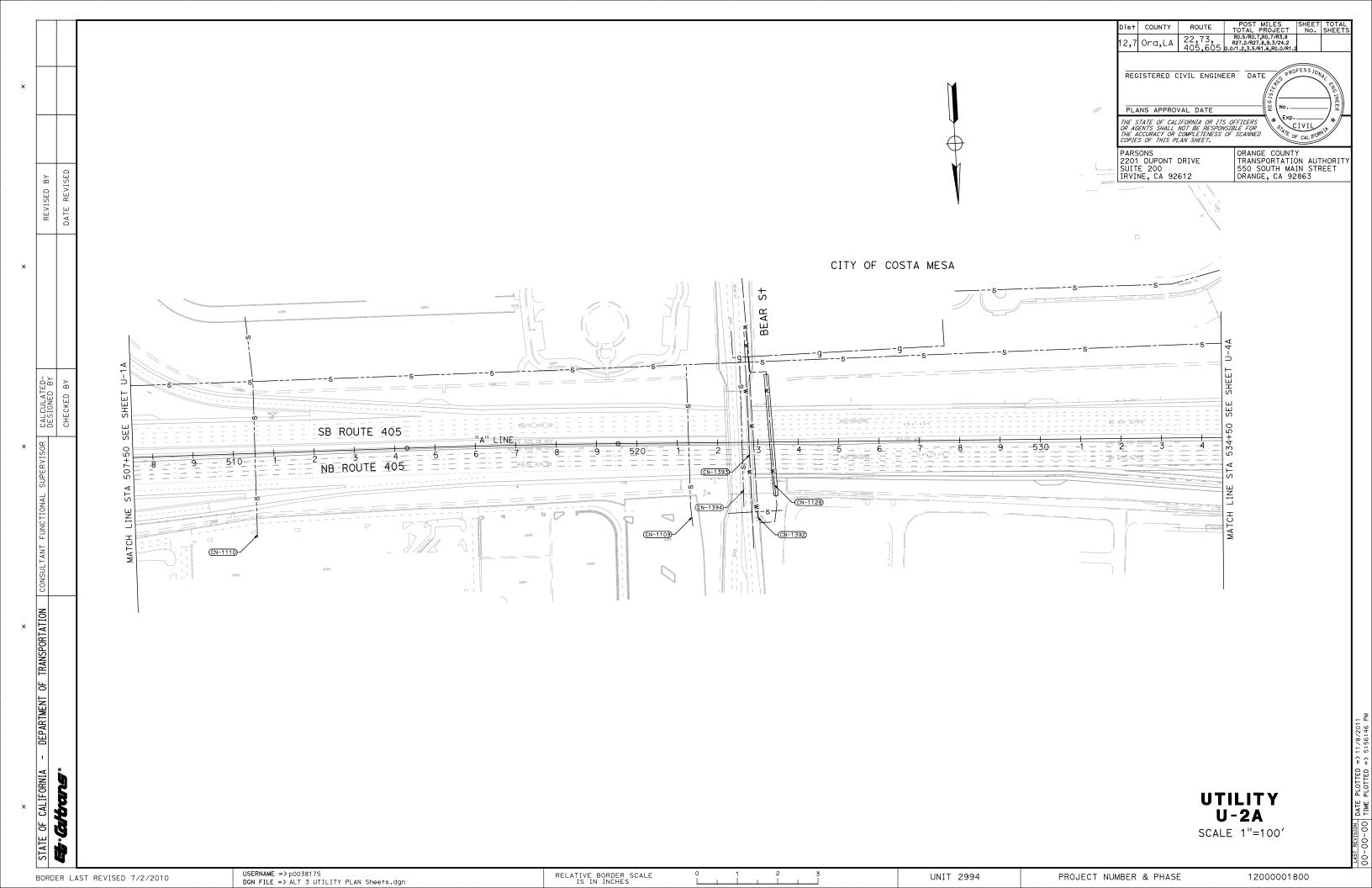
BORDER LAST REVISED 7/2/2010

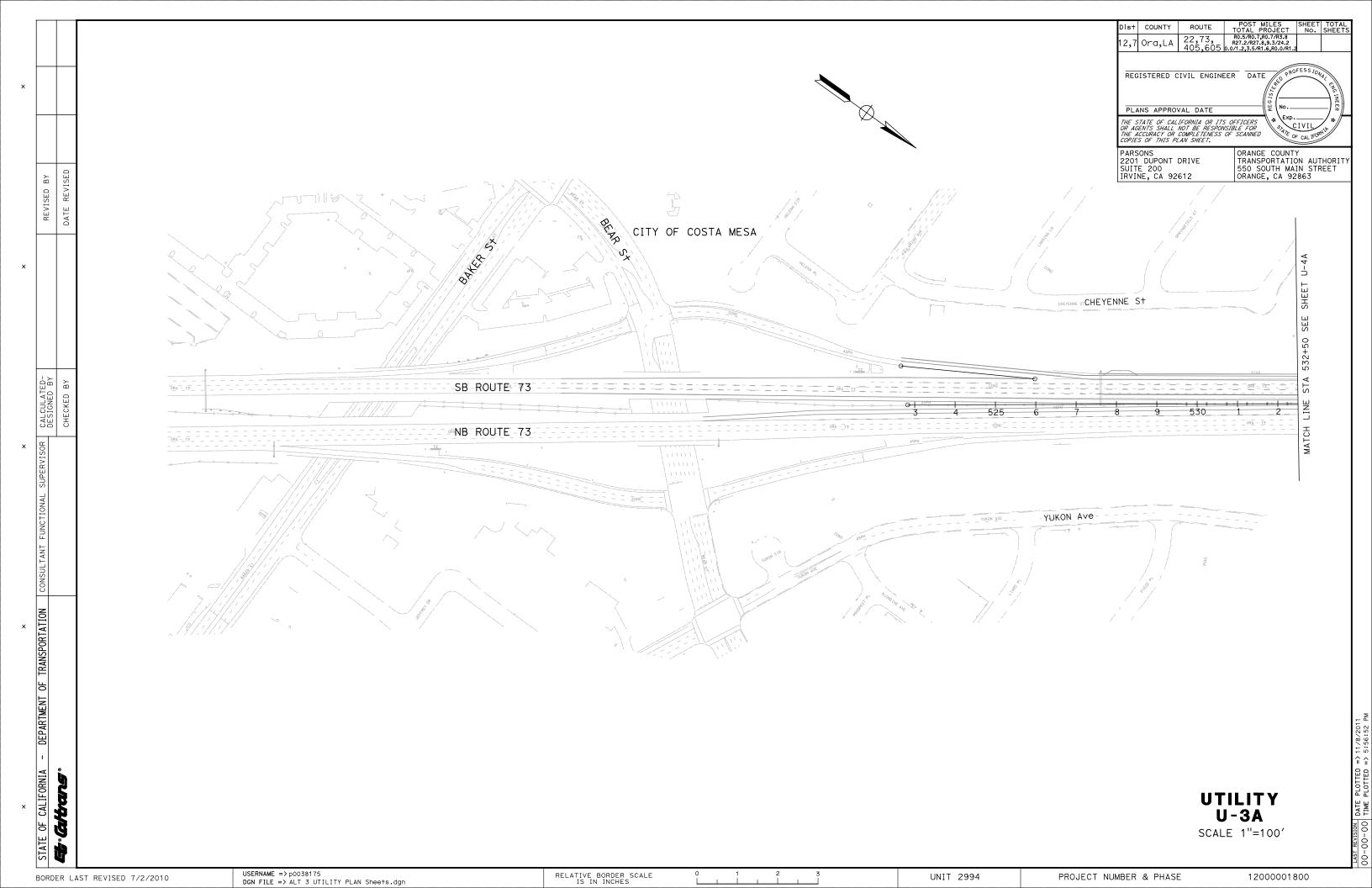
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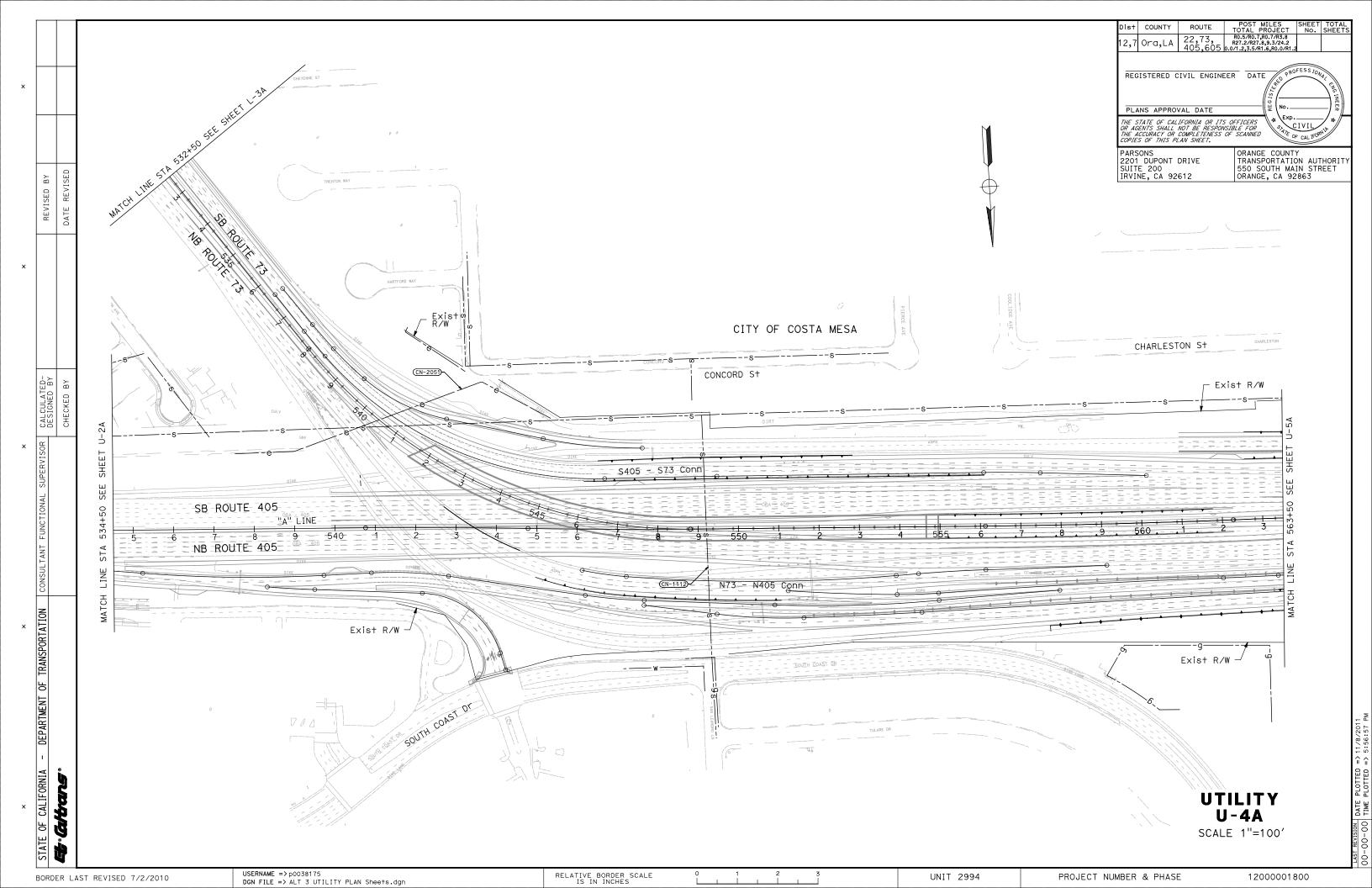
UNIT 2994

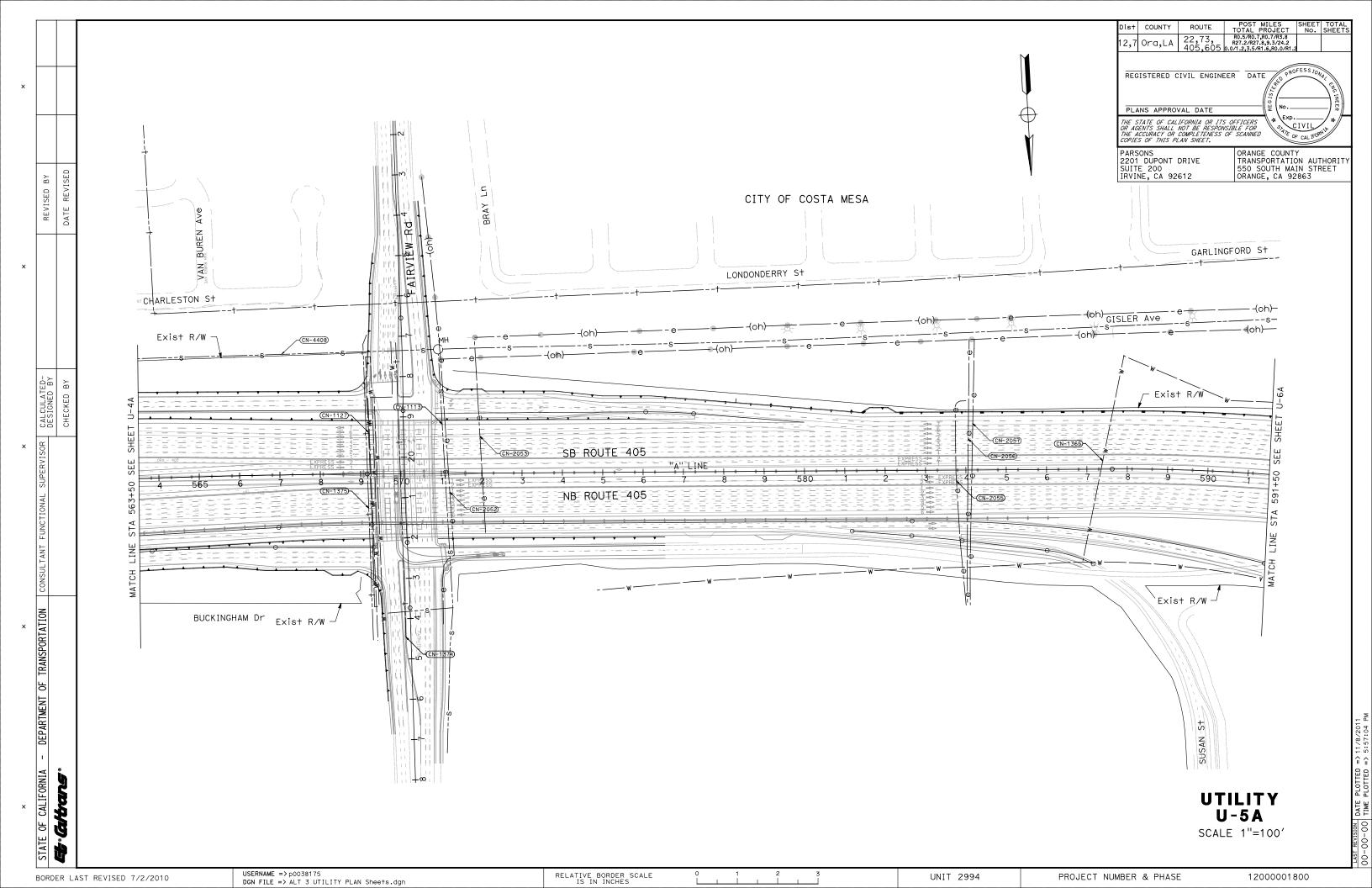
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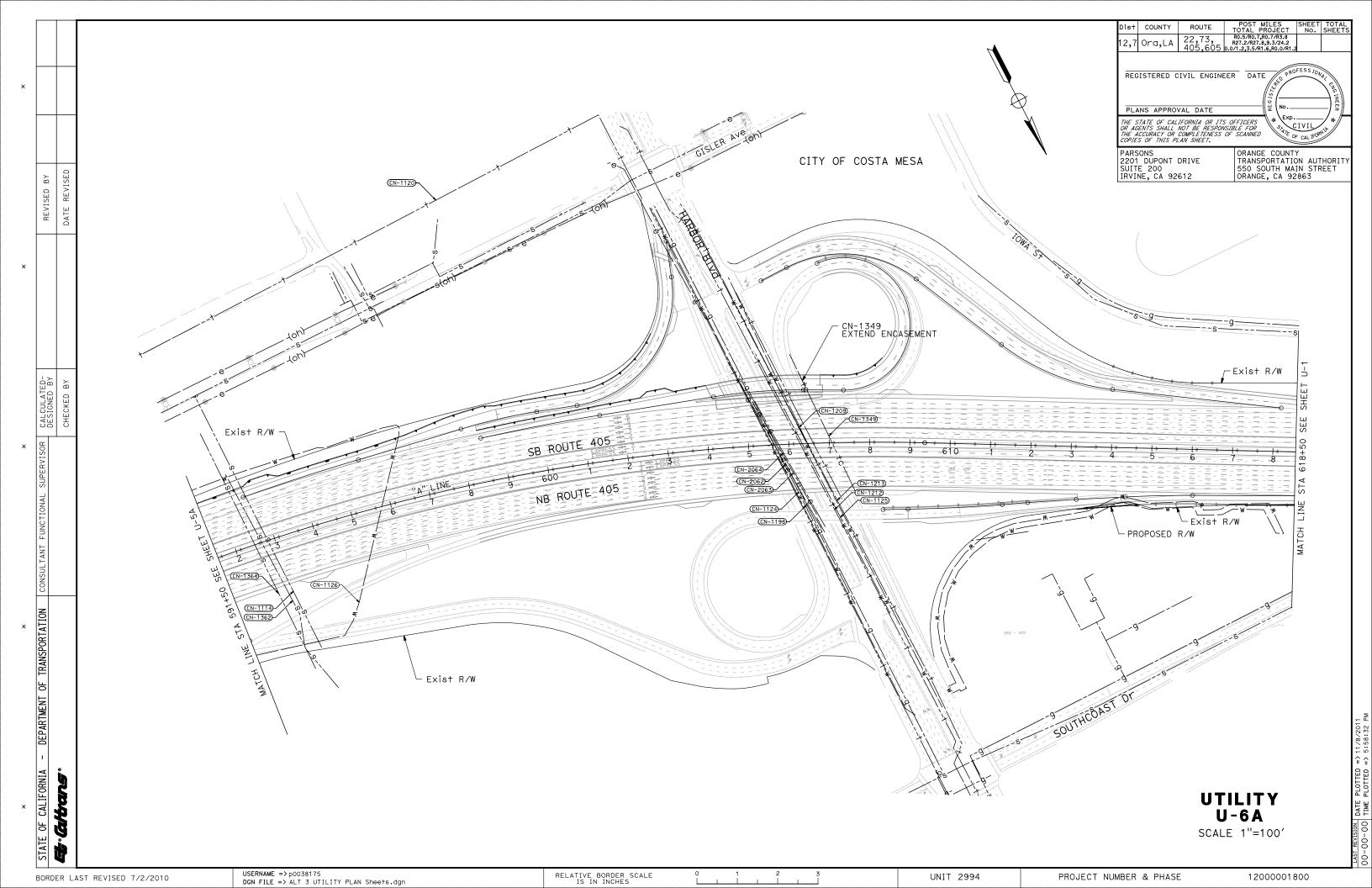
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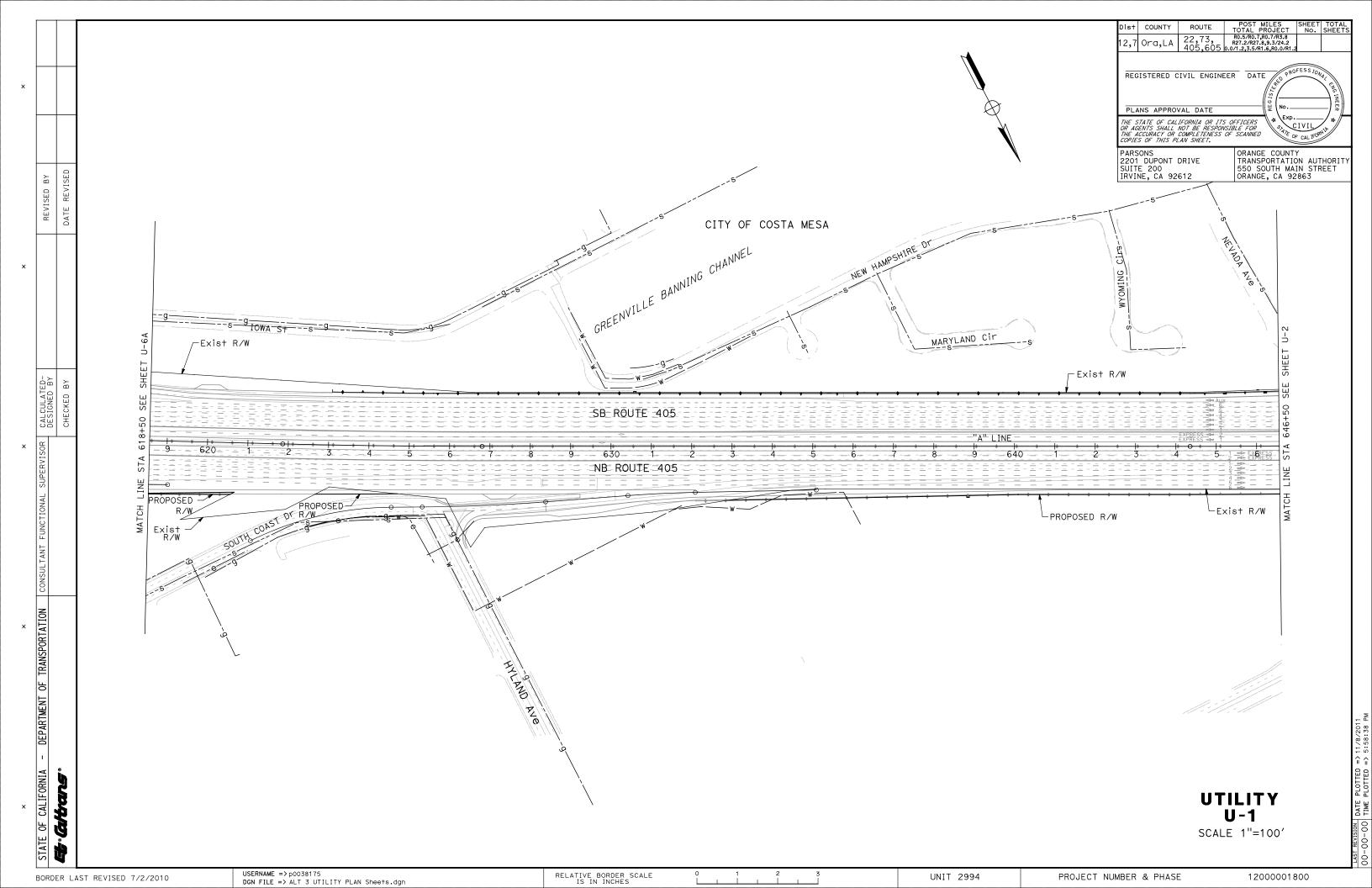


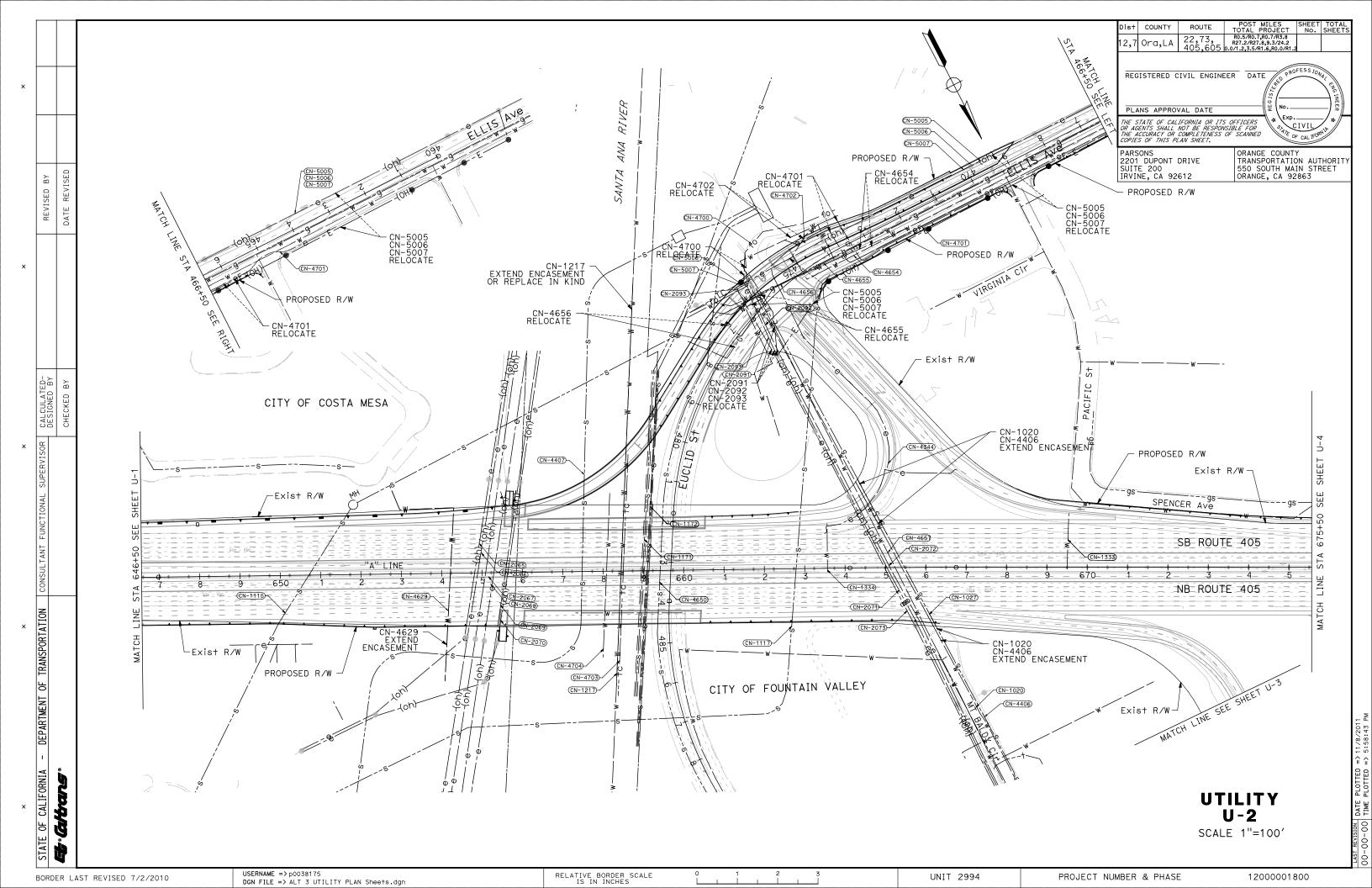


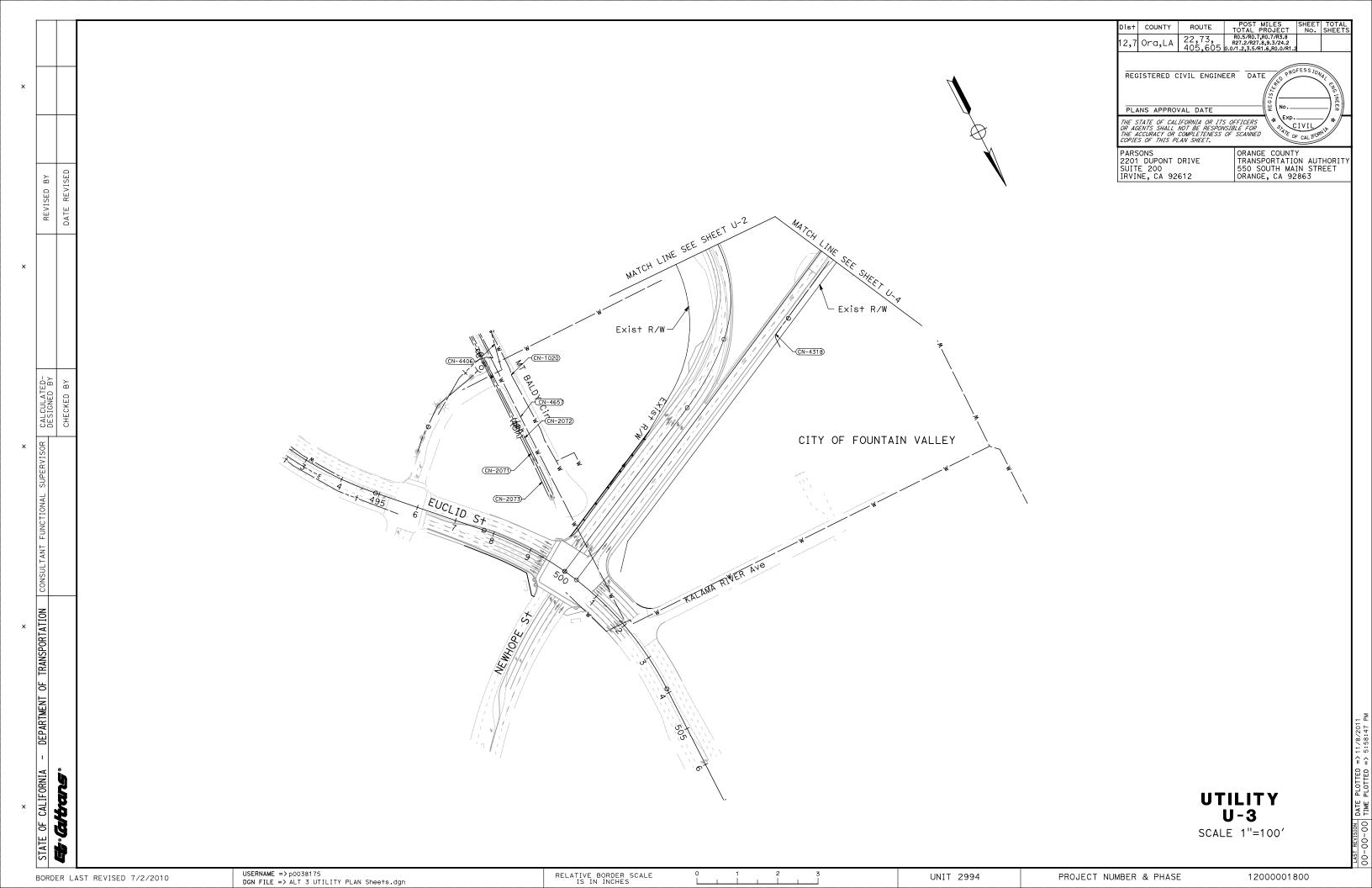


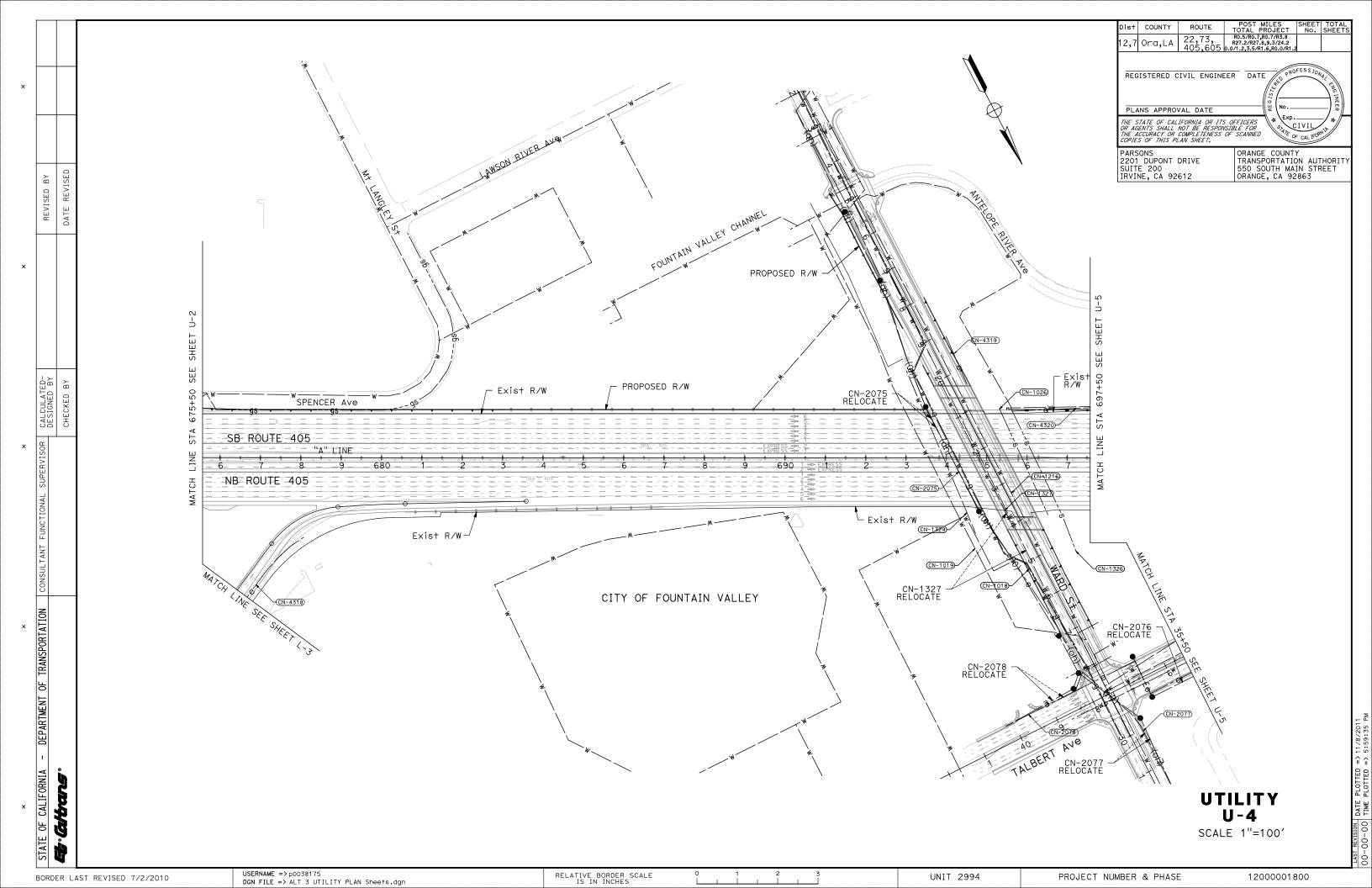


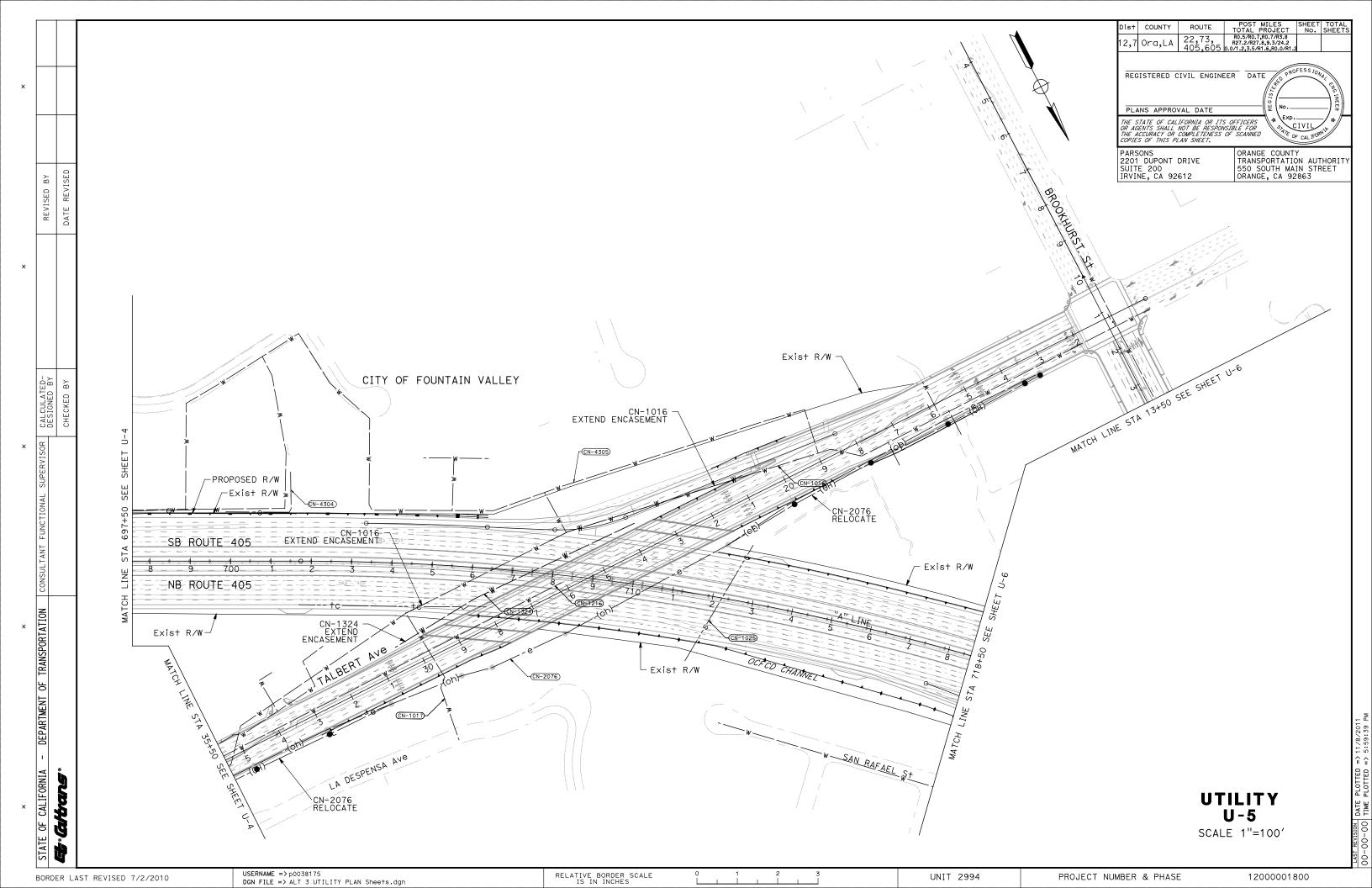


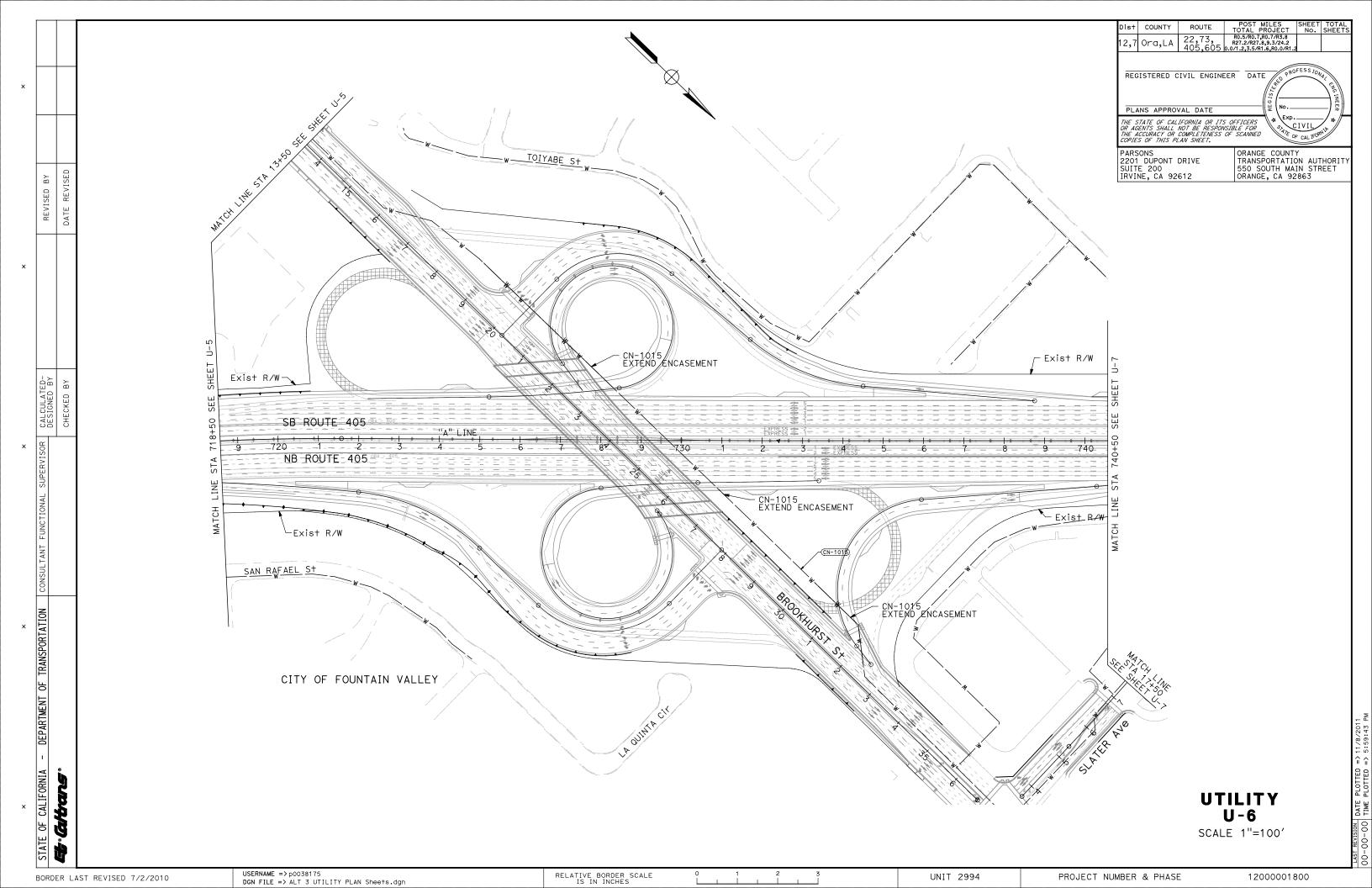


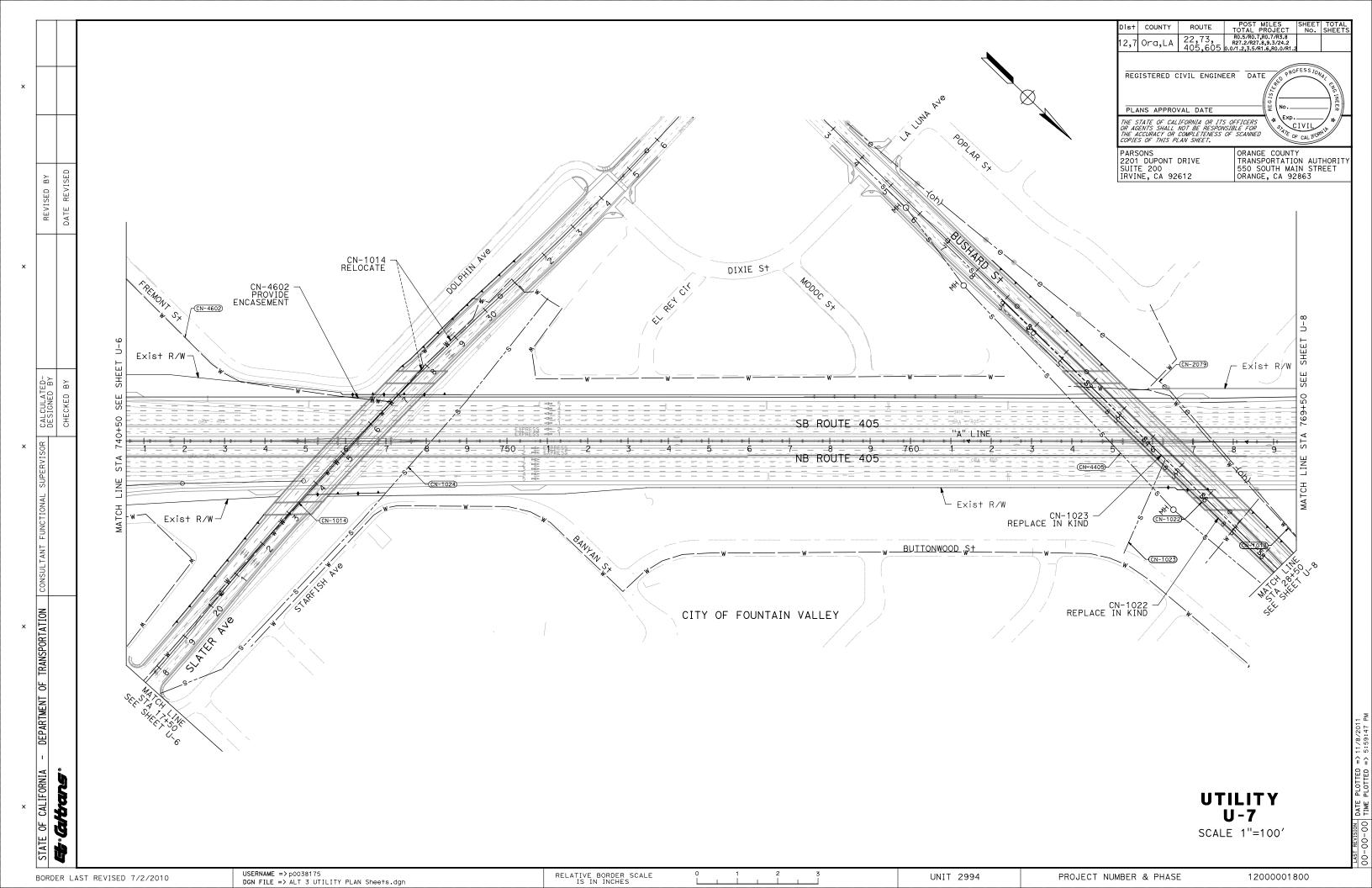


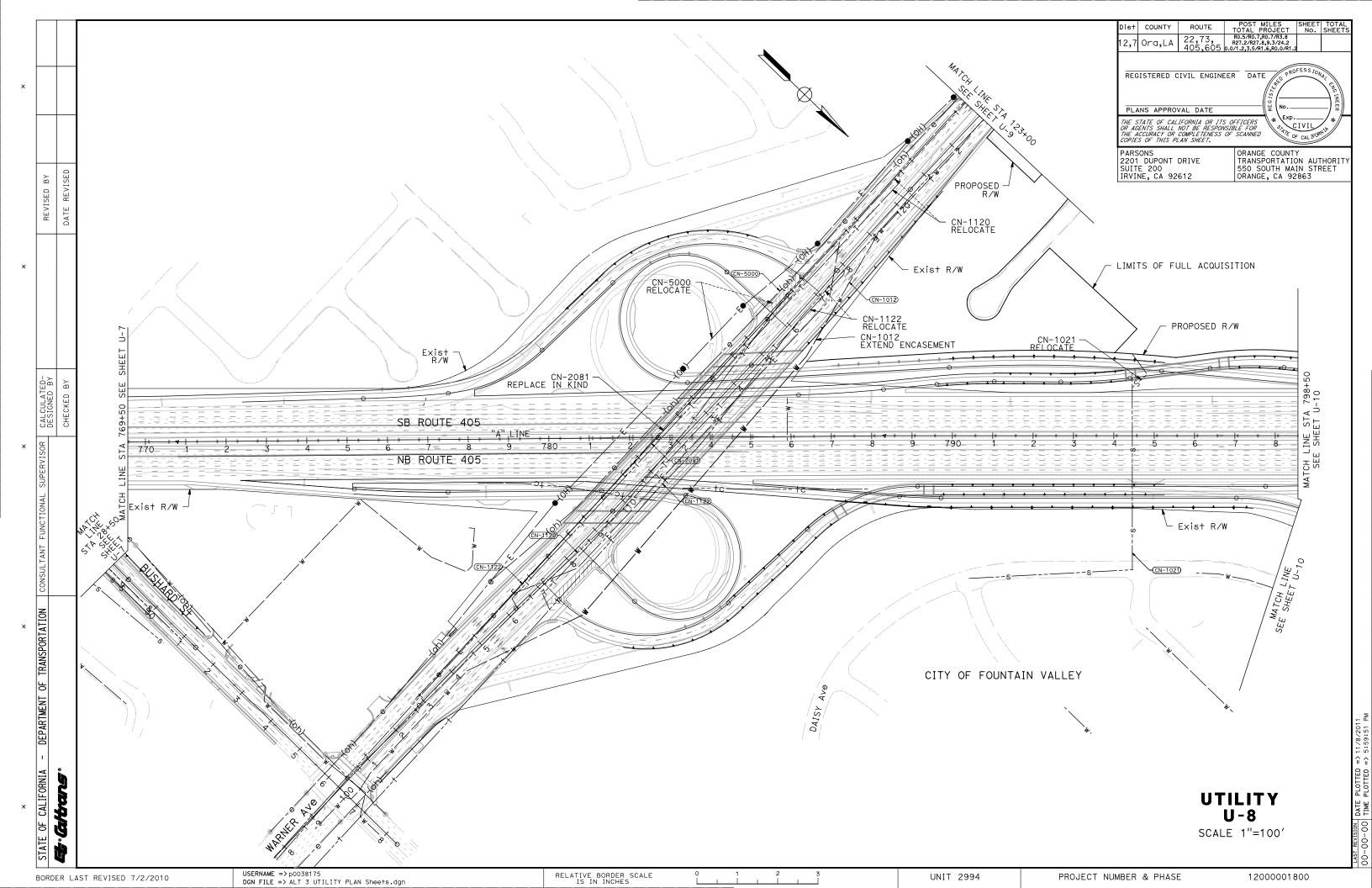


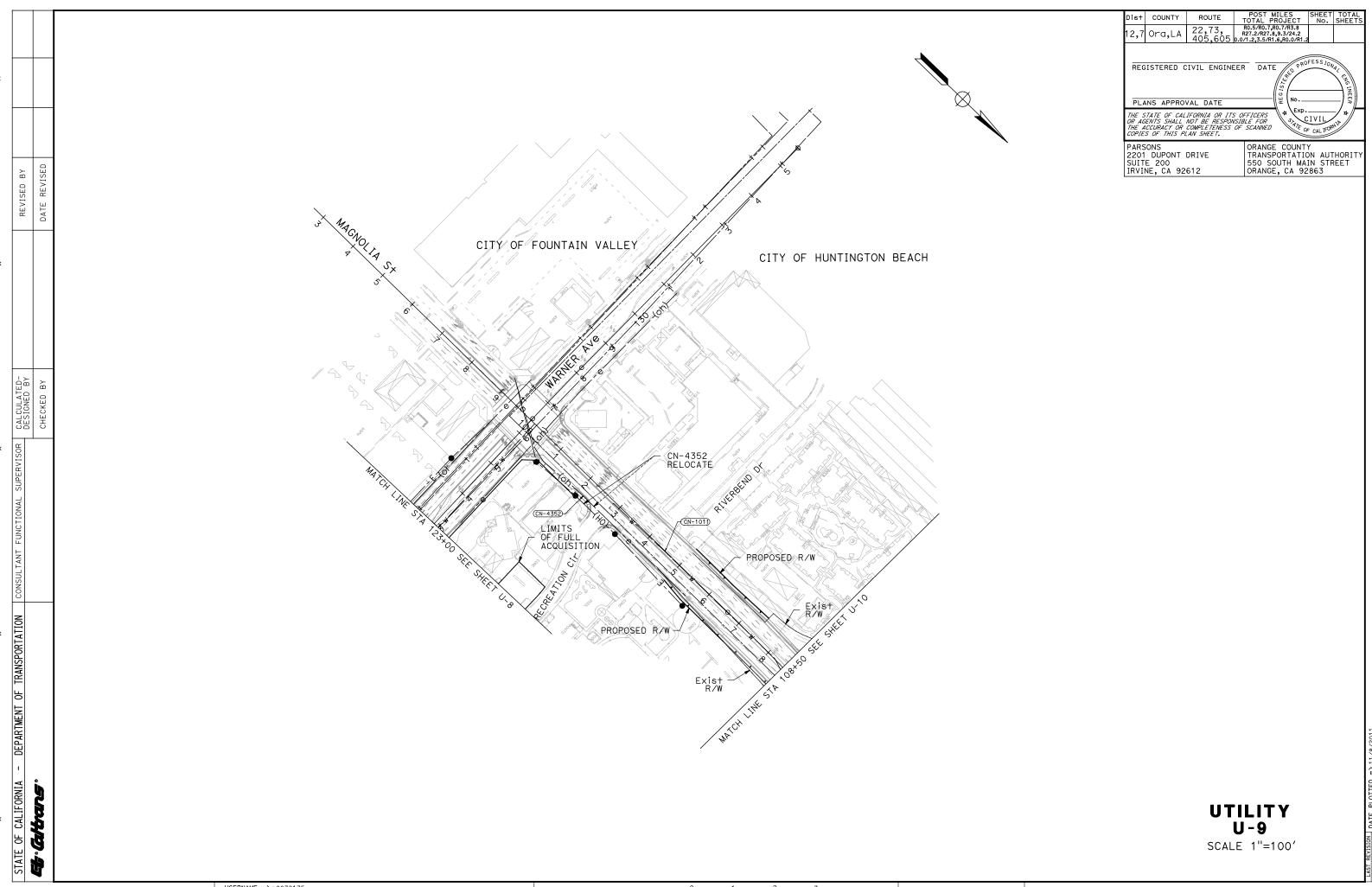












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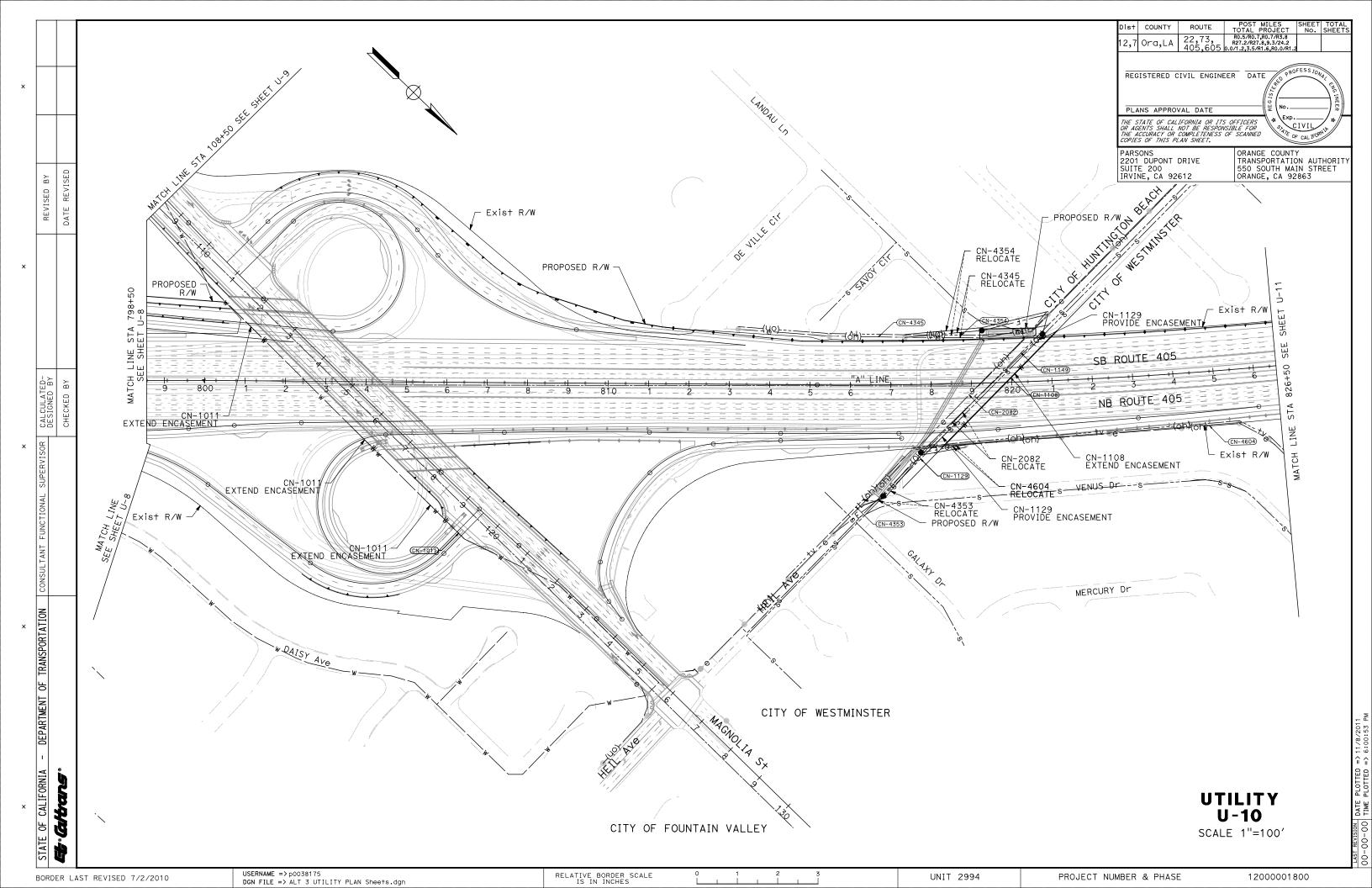
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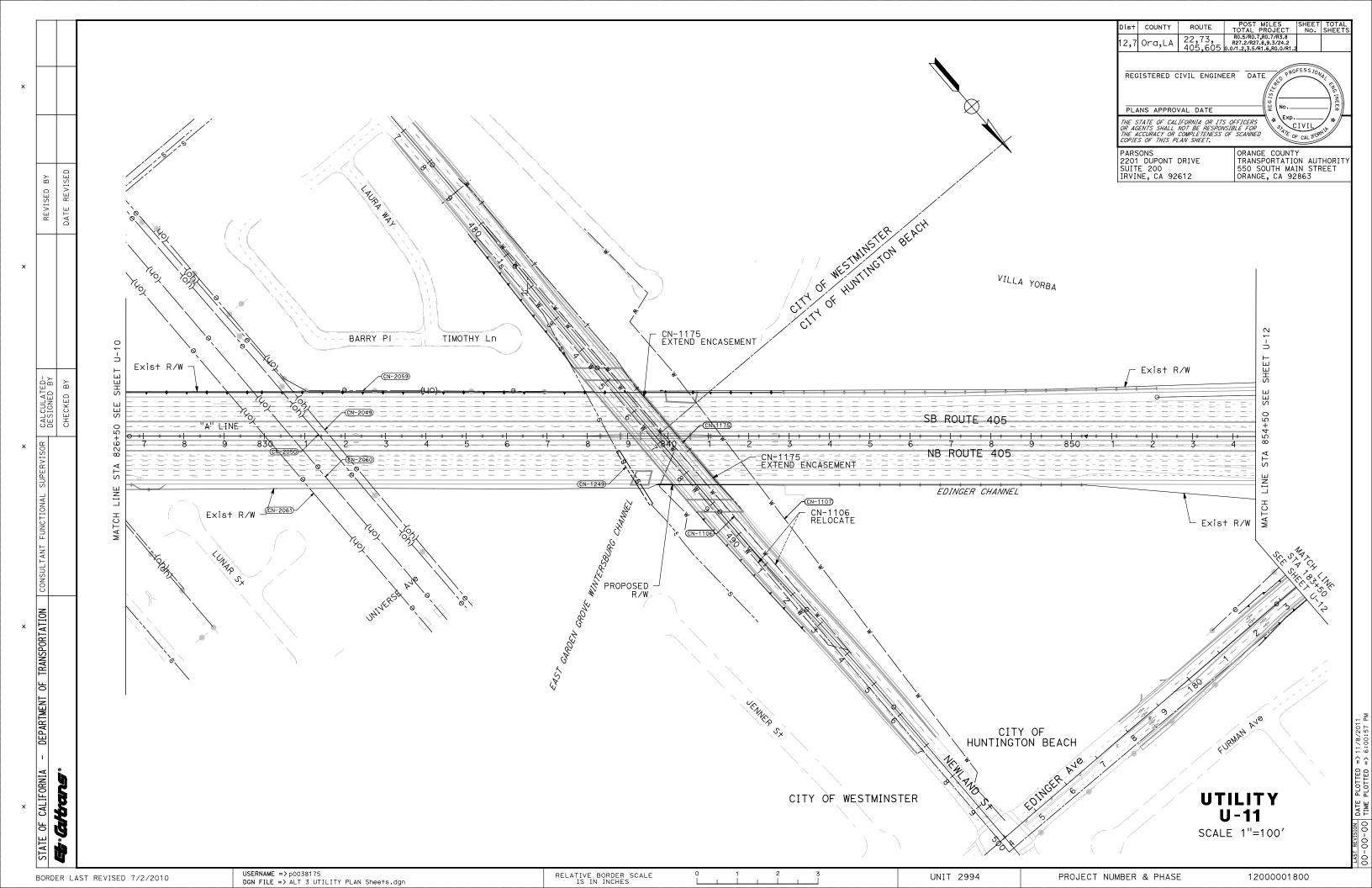
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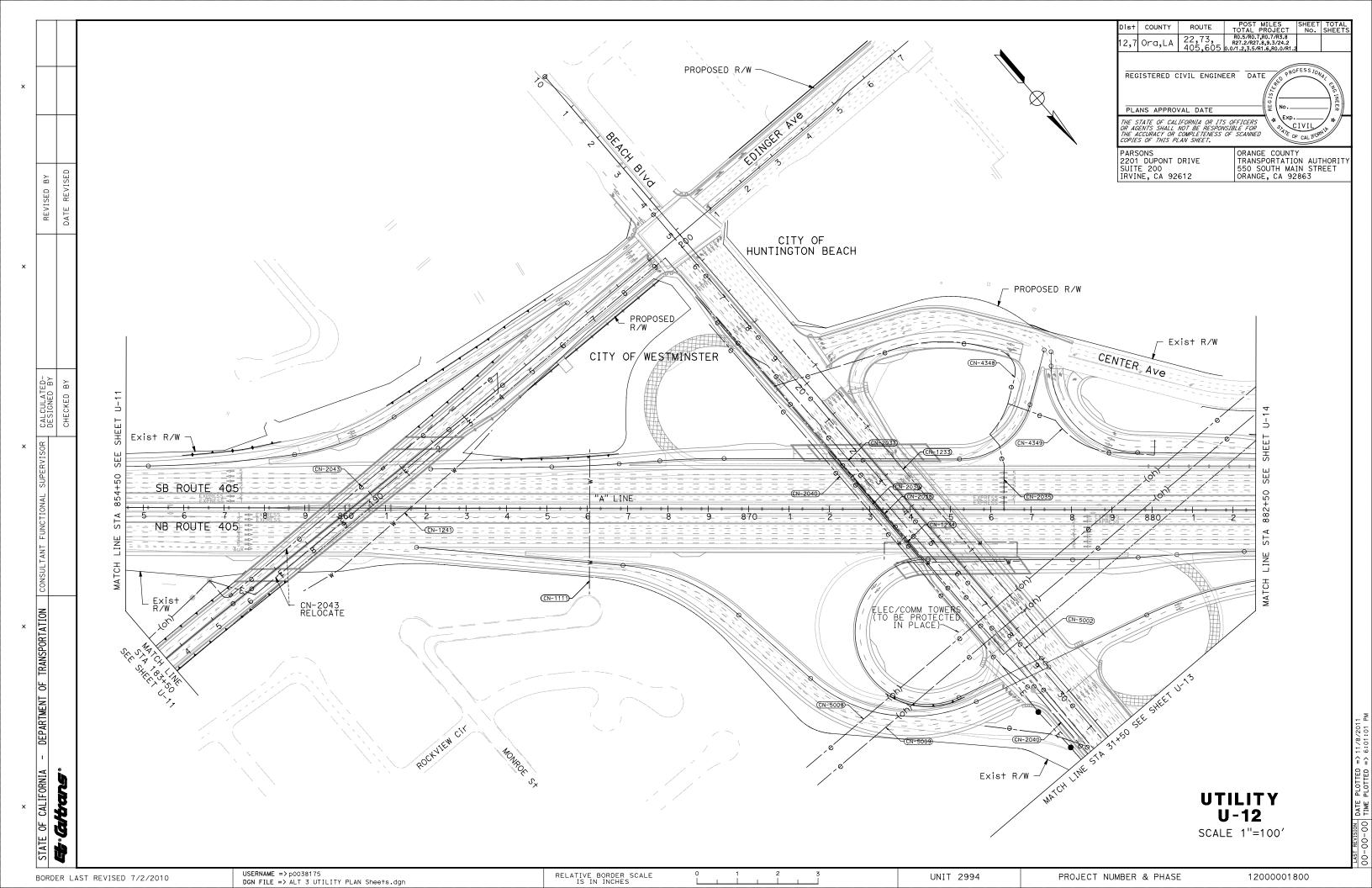
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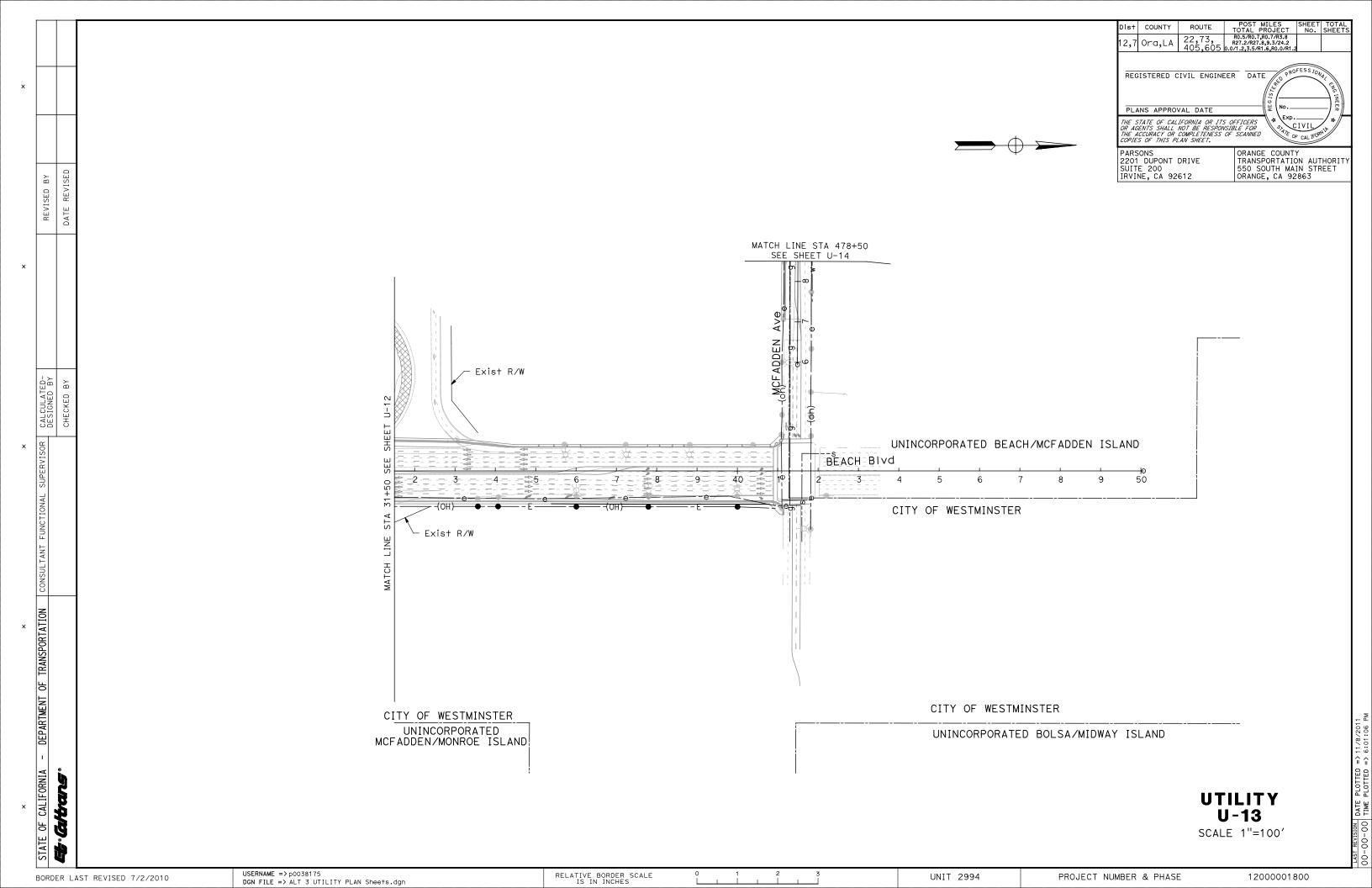
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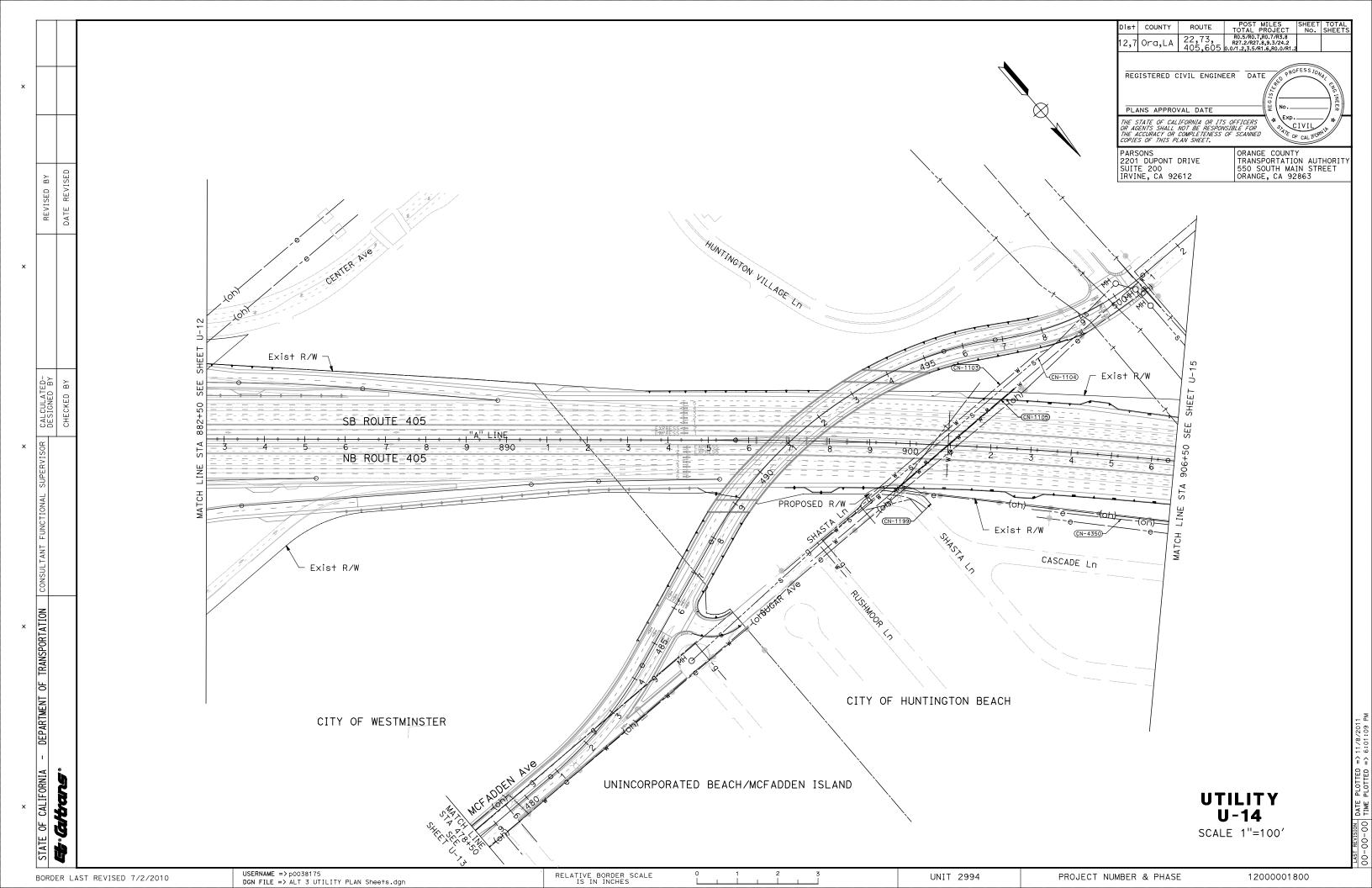
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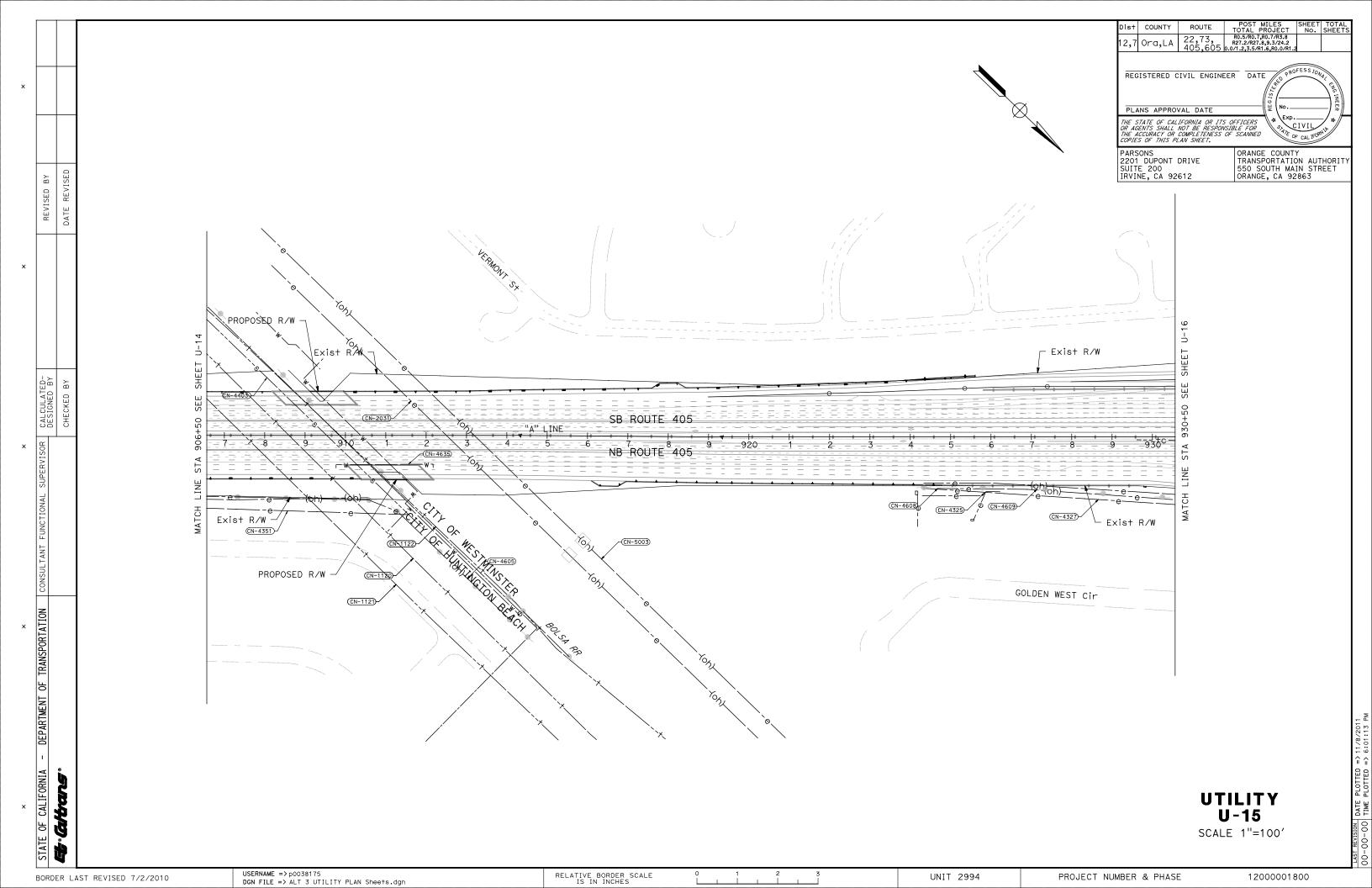


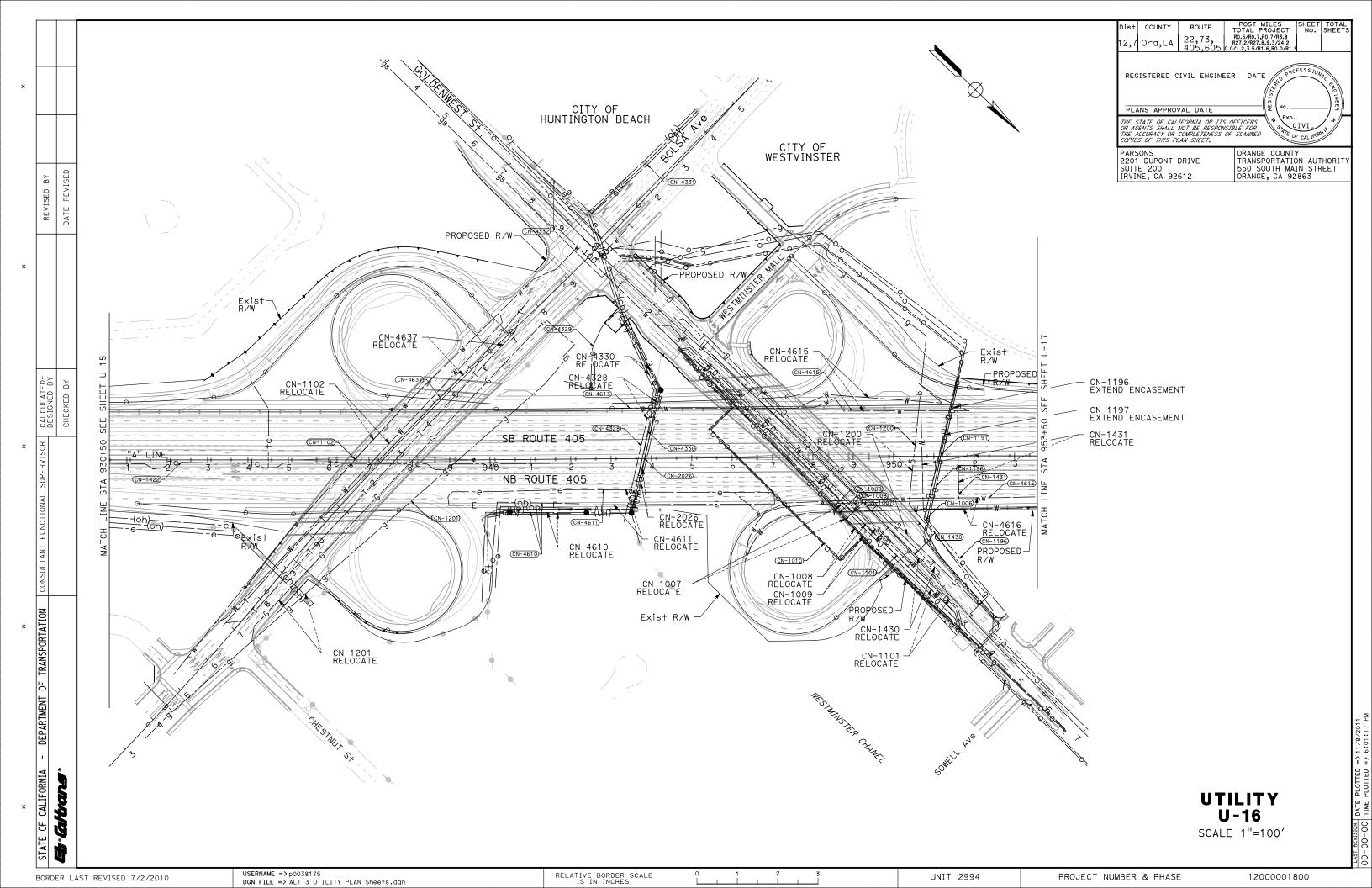


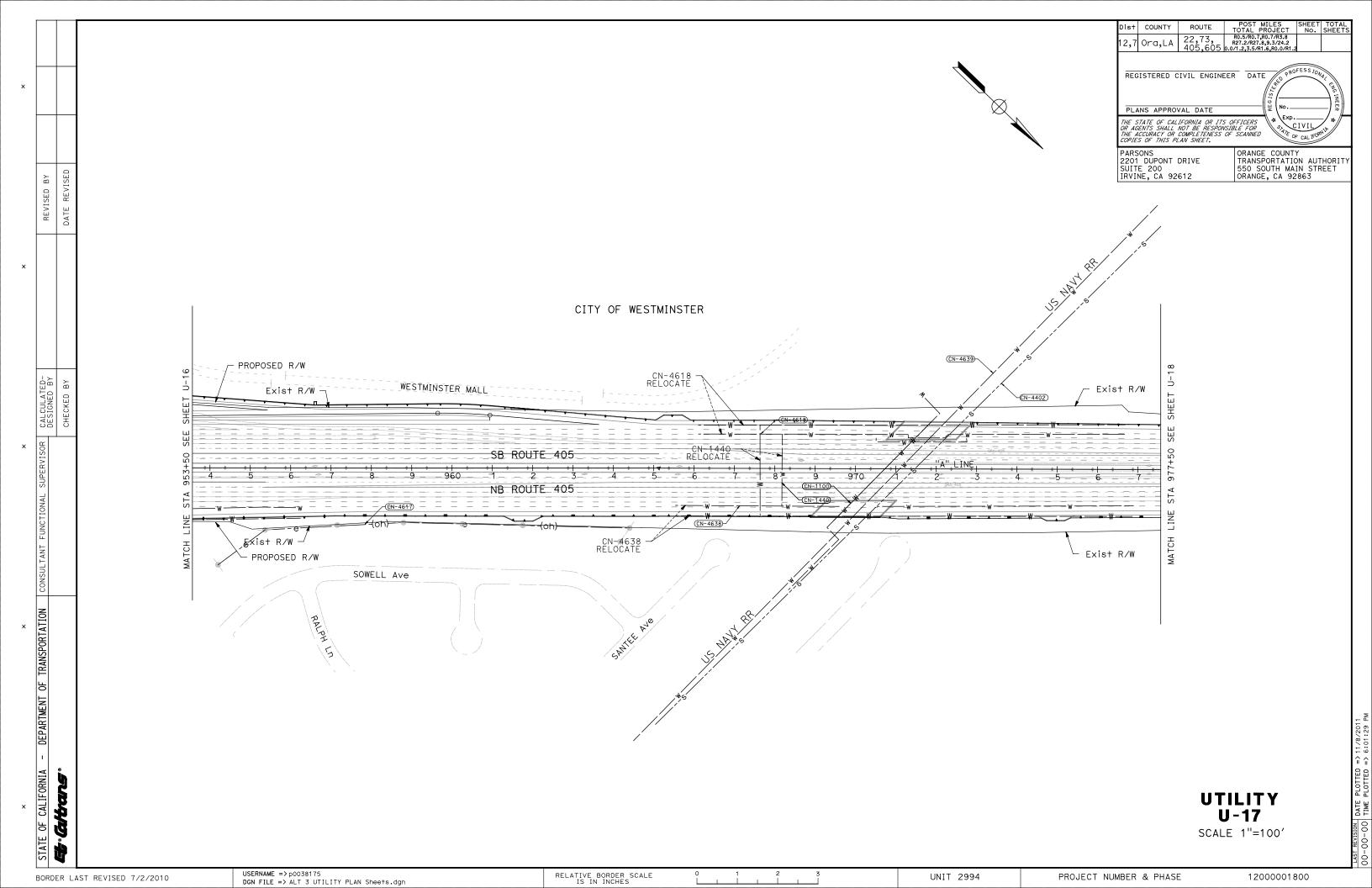


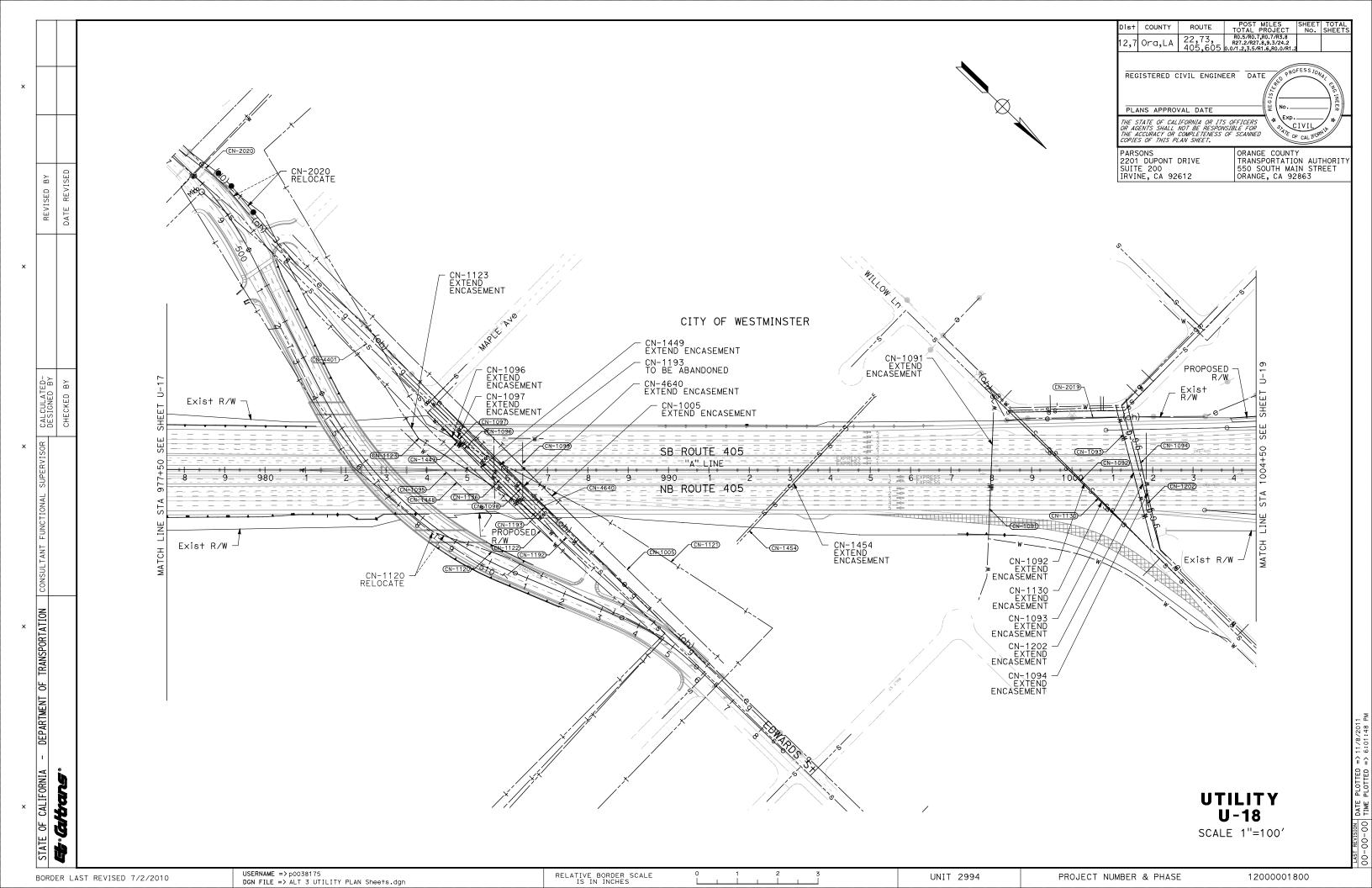


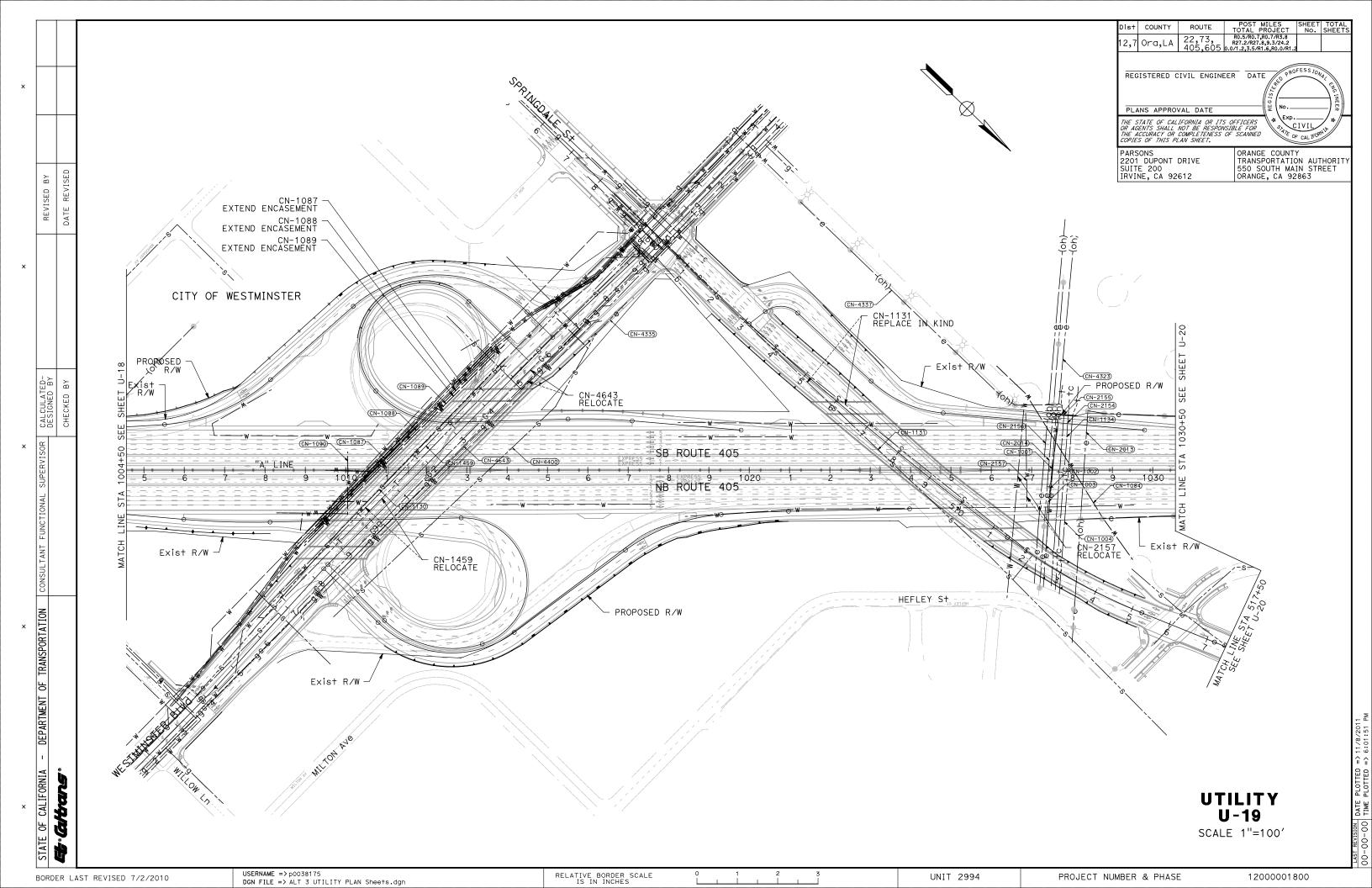


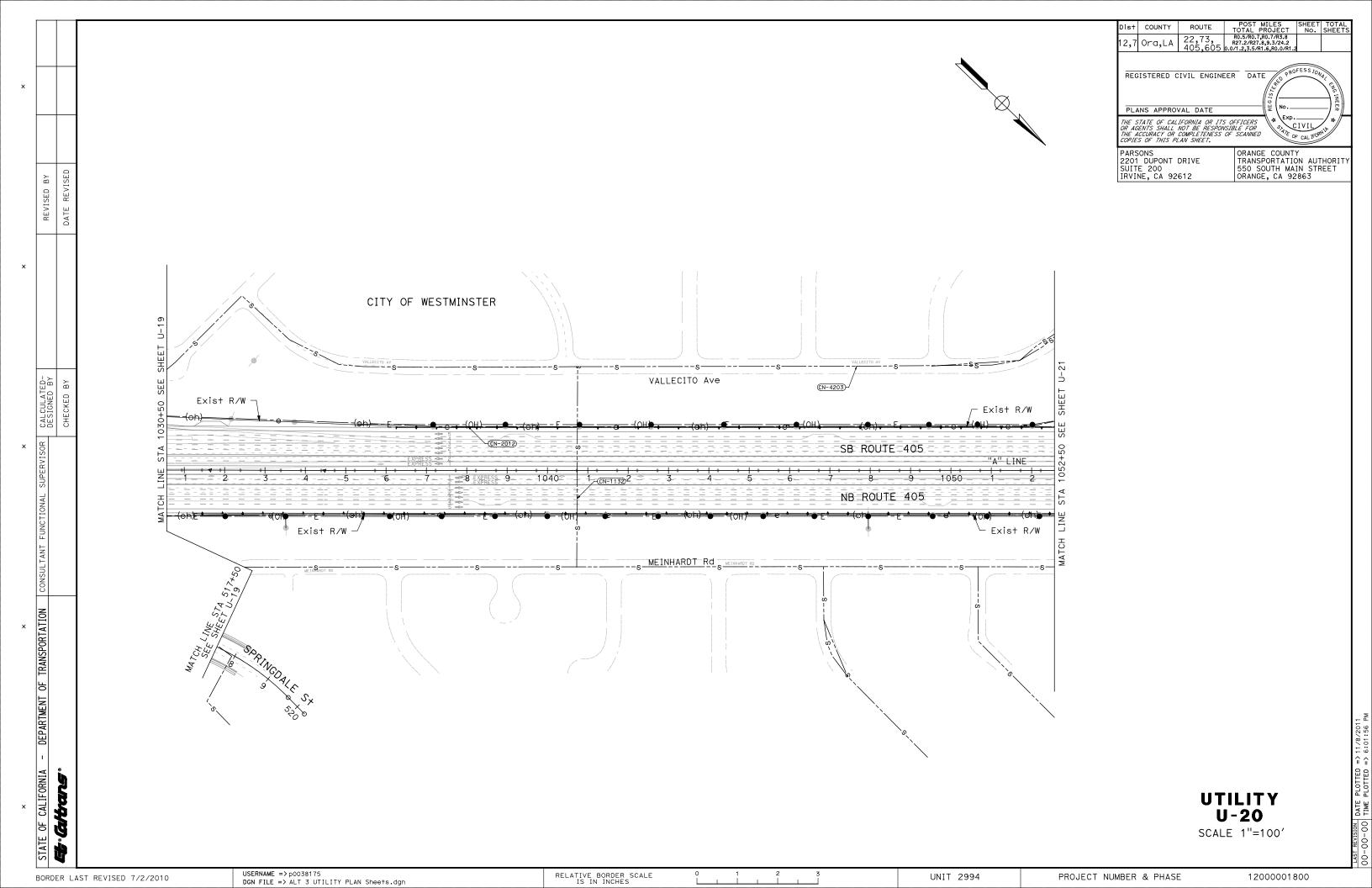


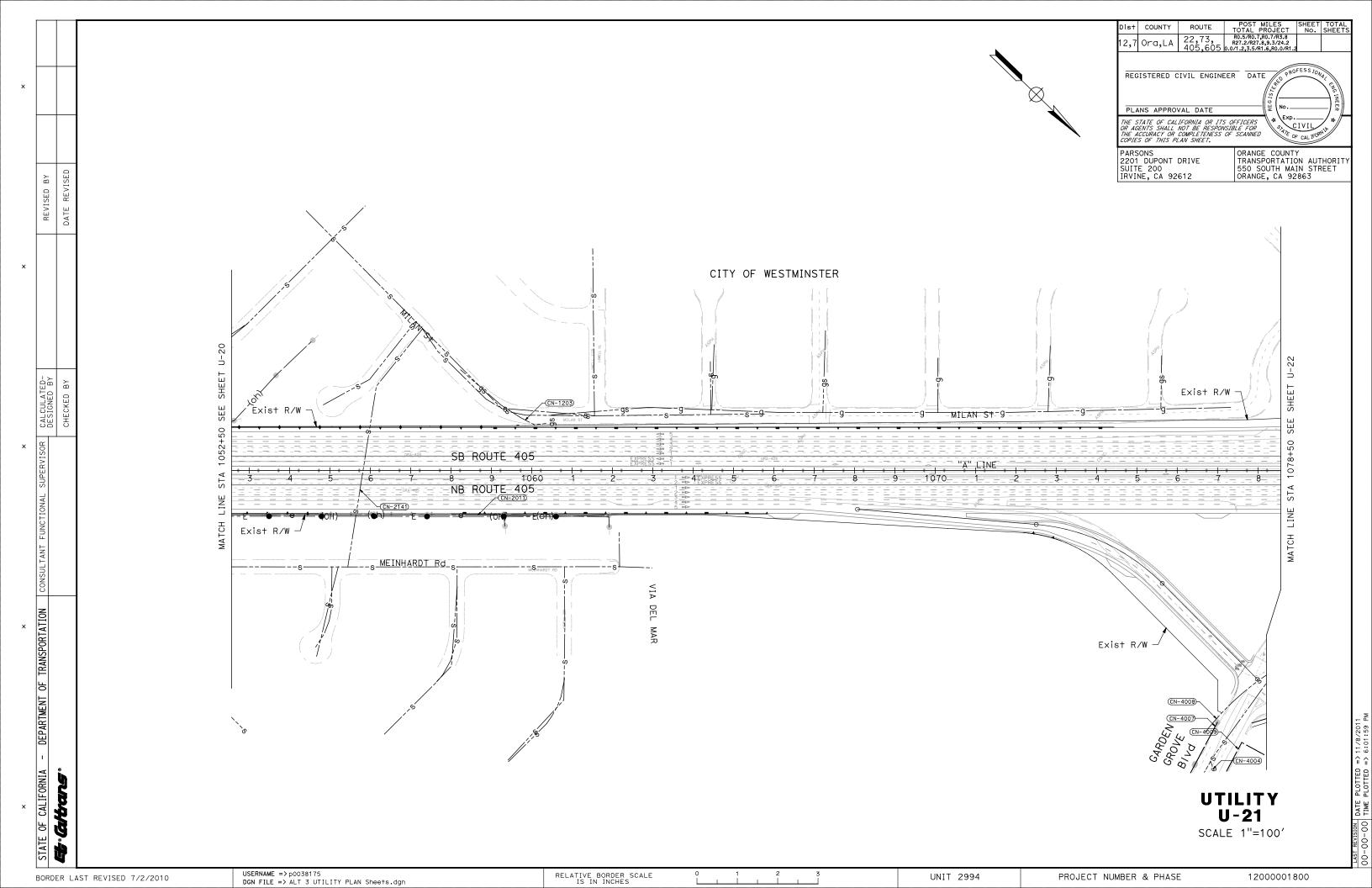


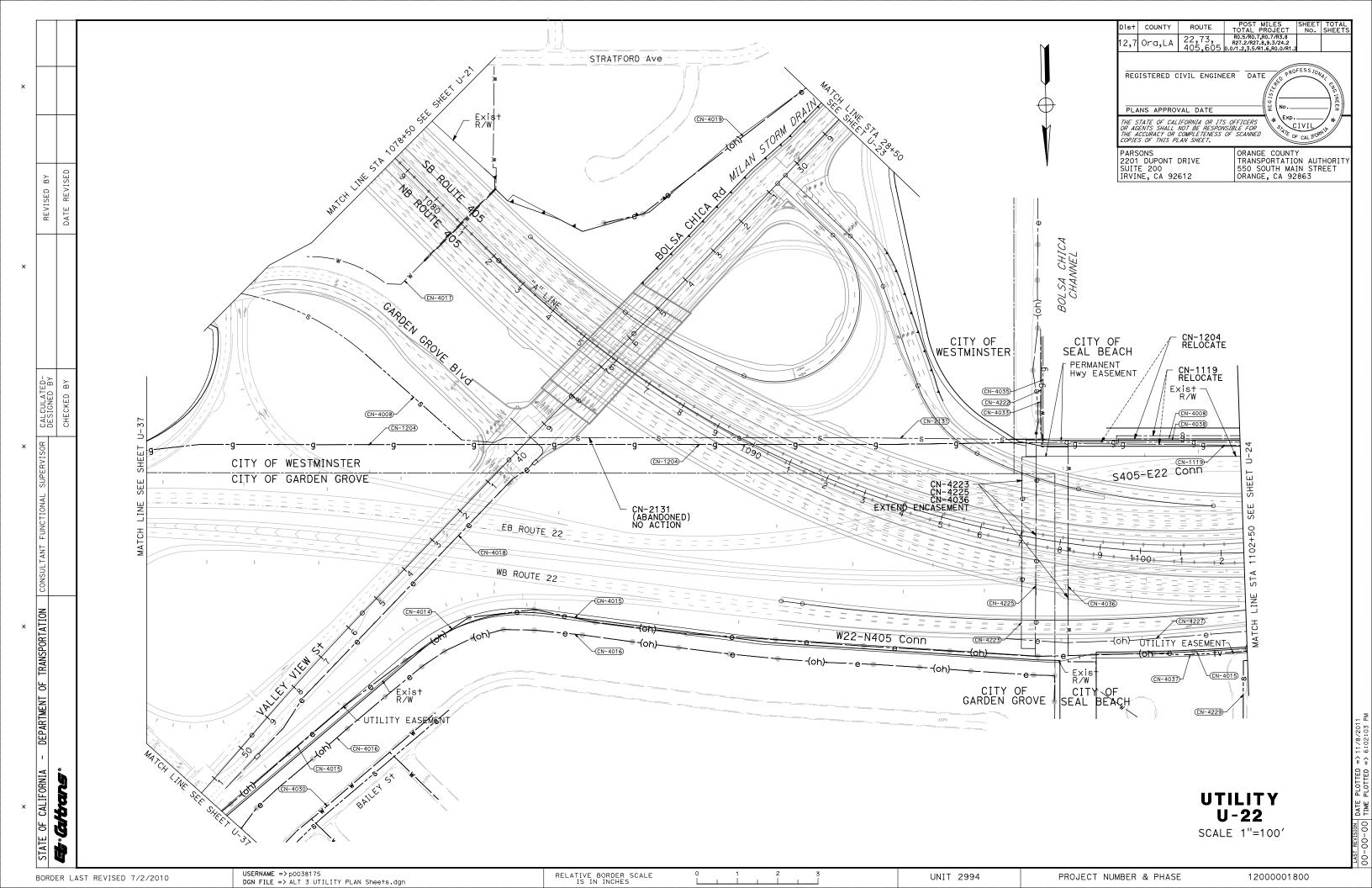


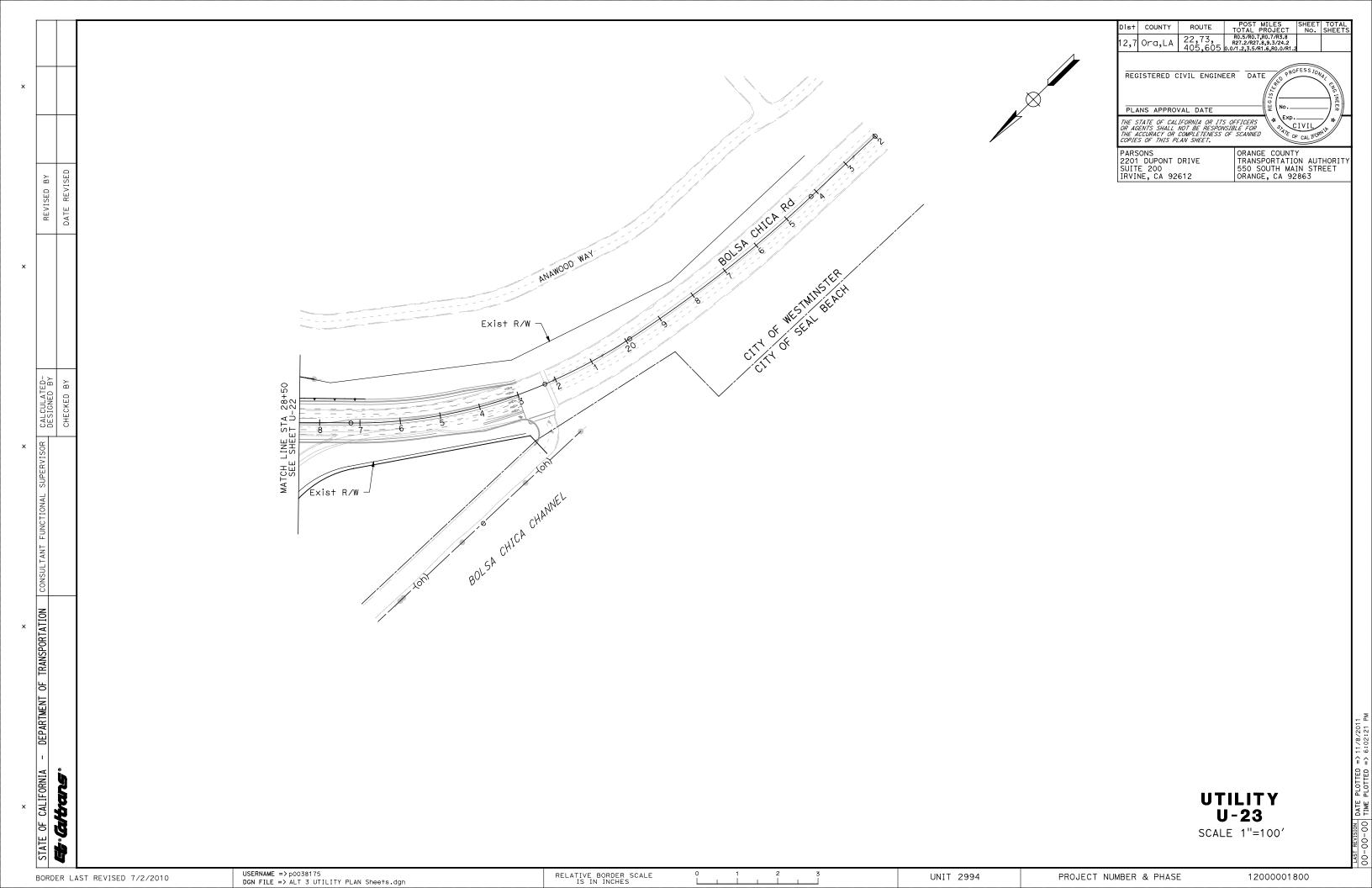


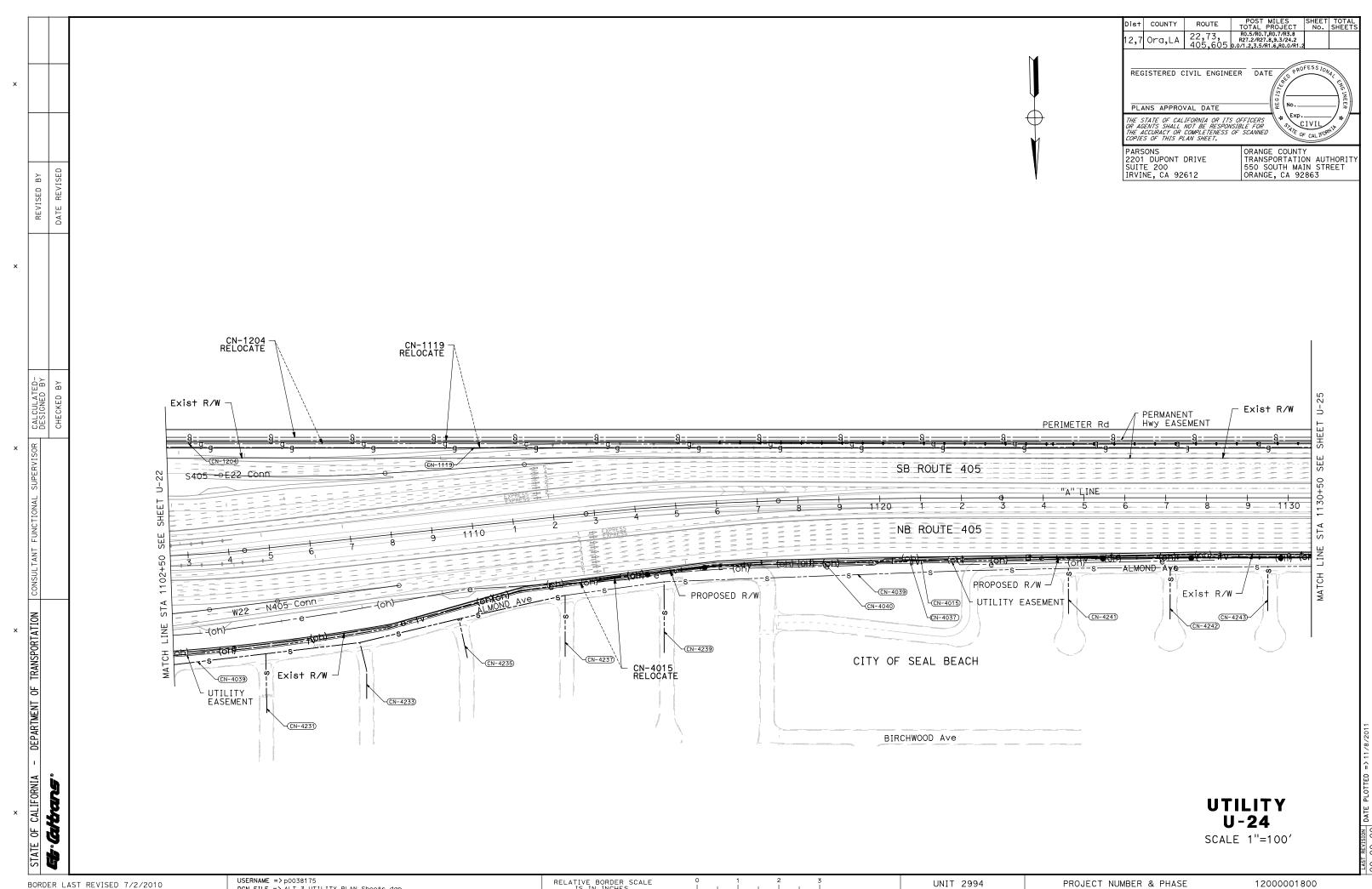




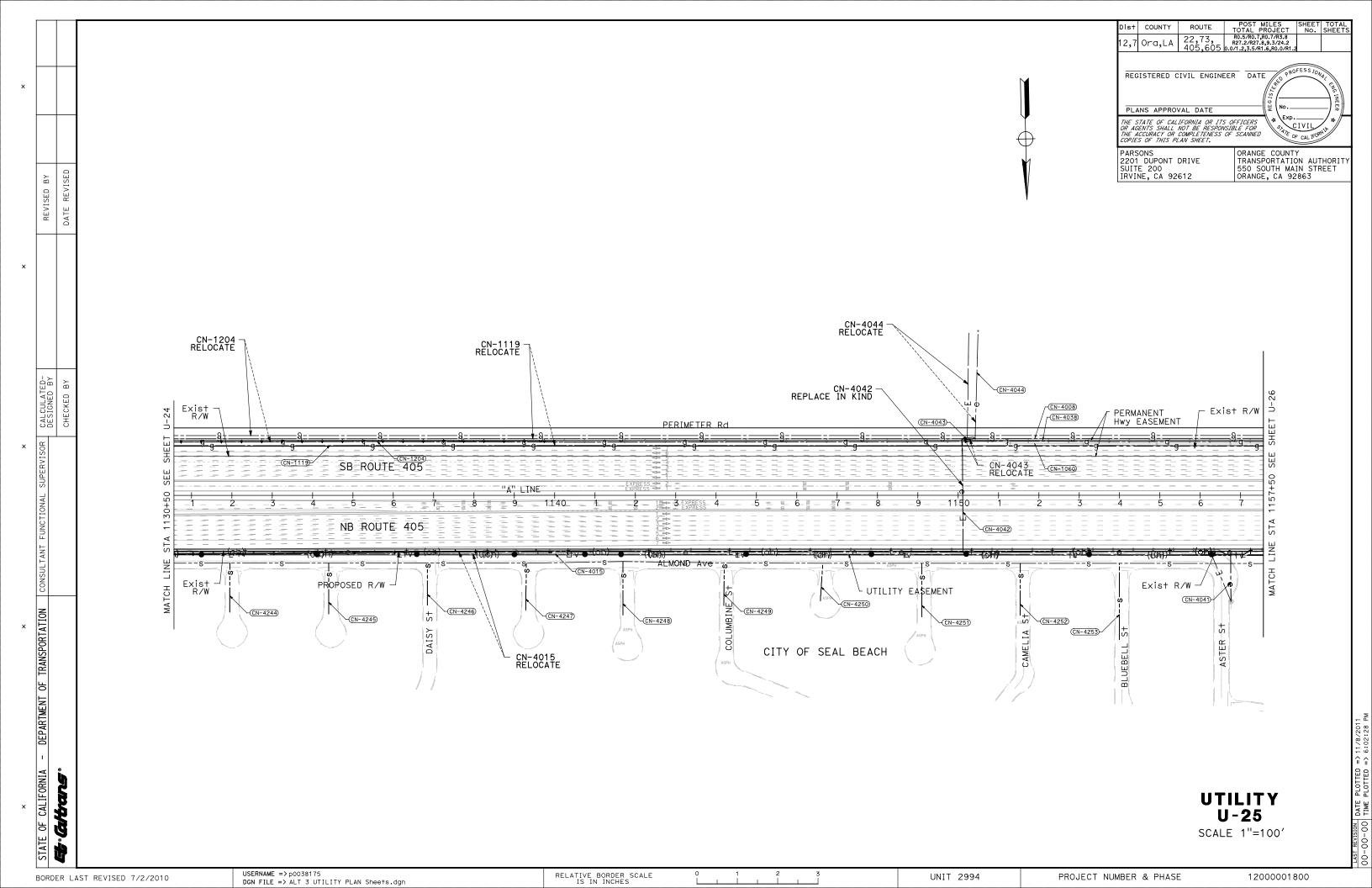


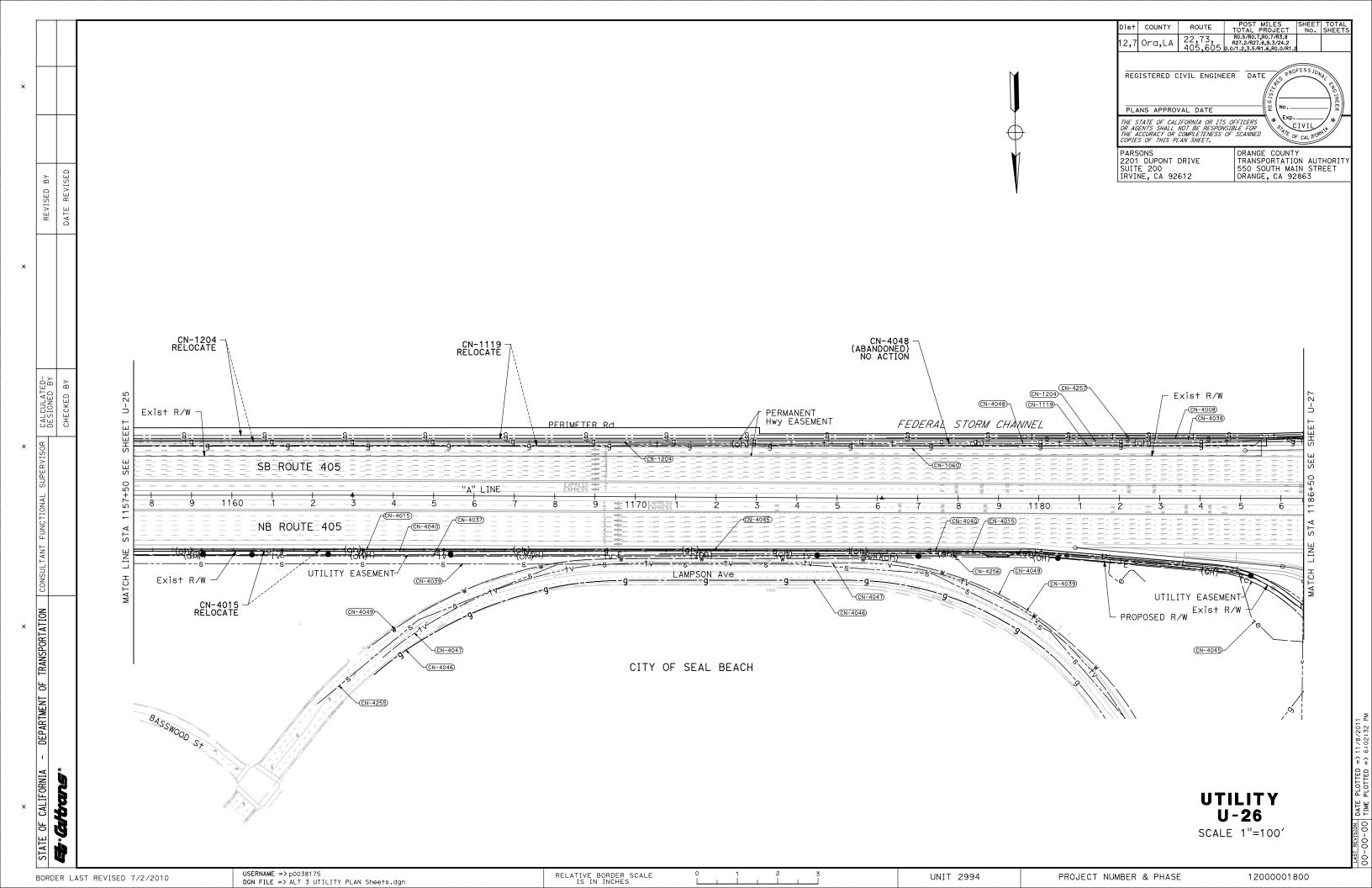


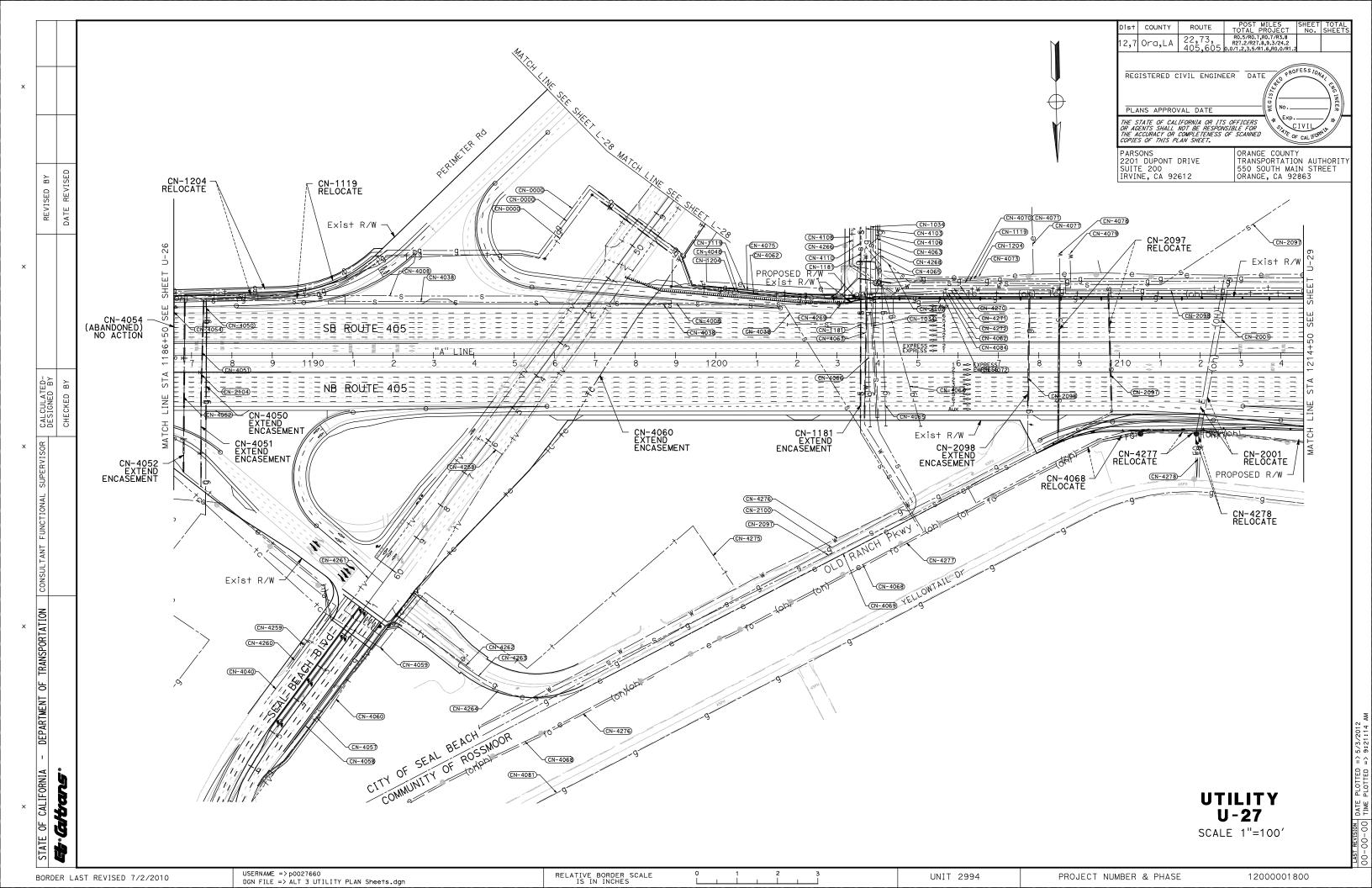


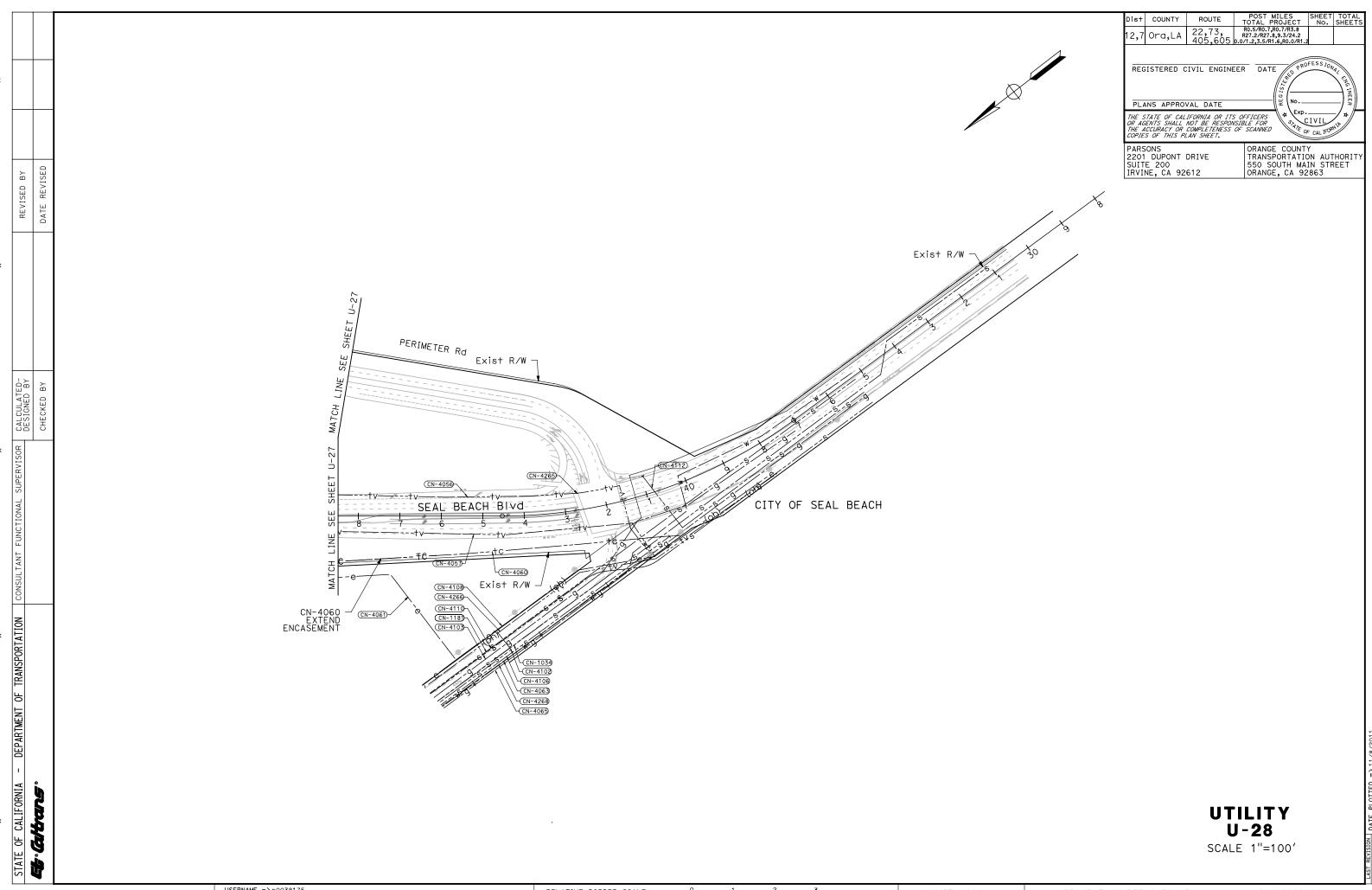


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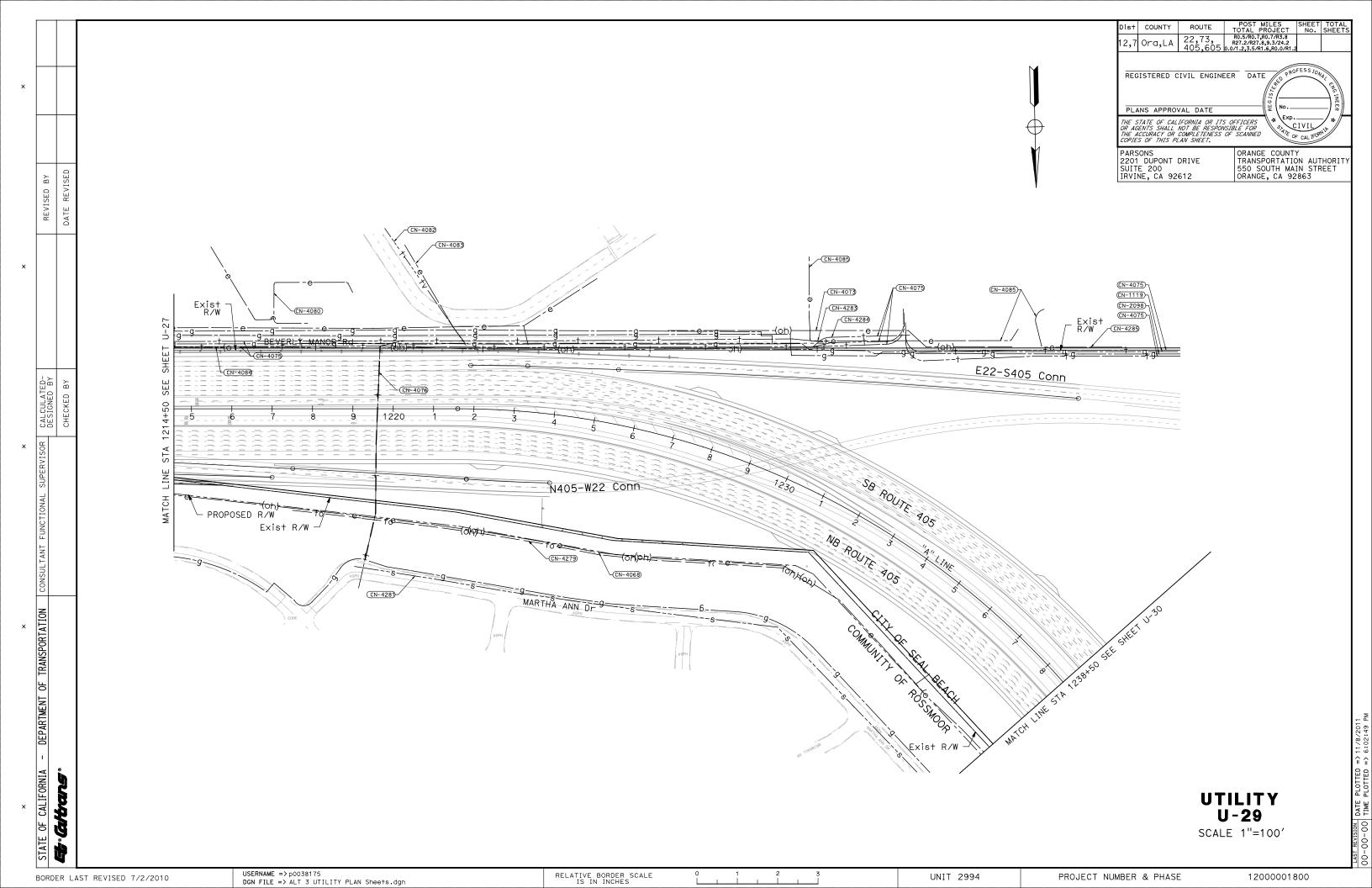
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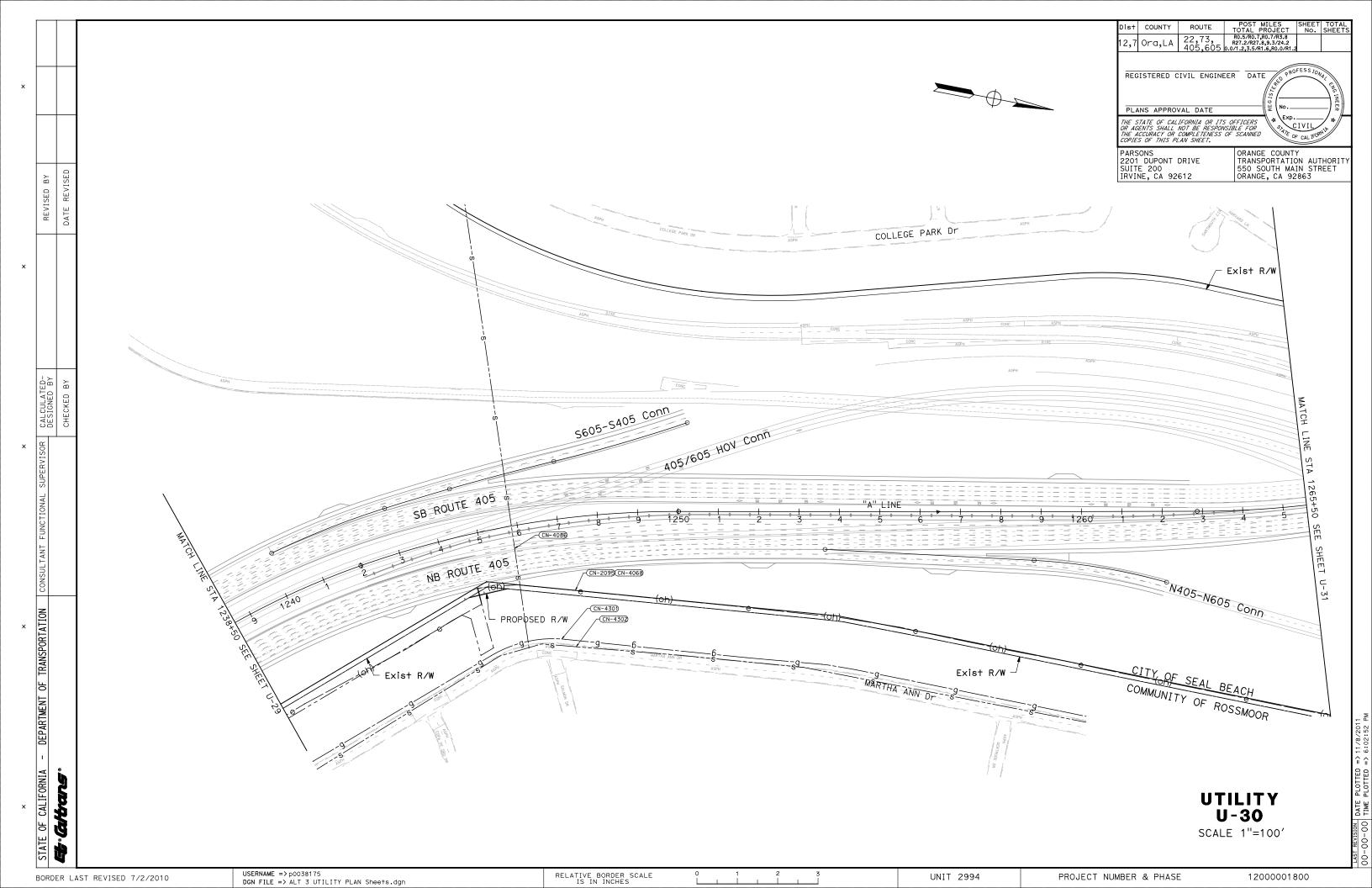
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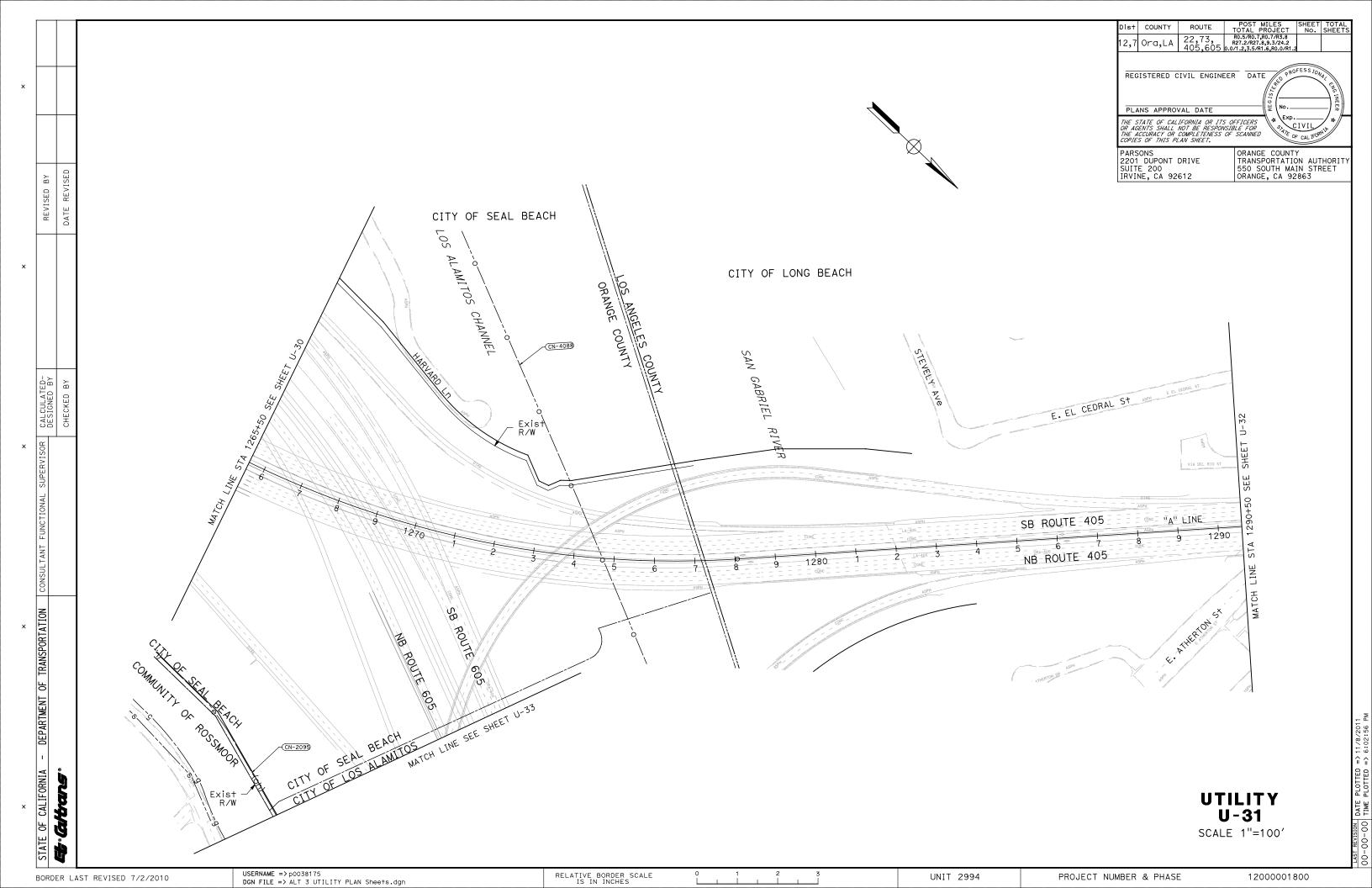
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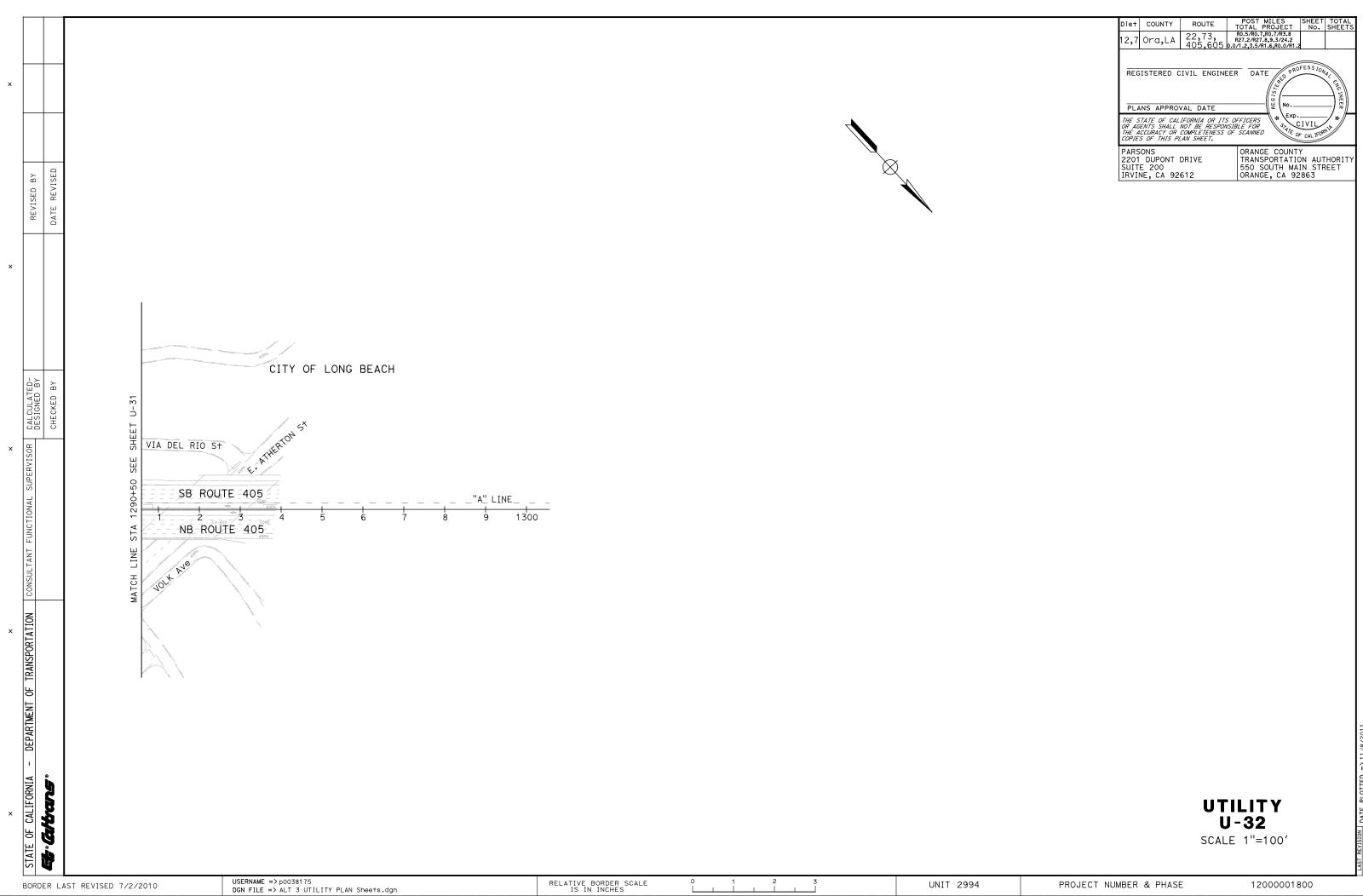
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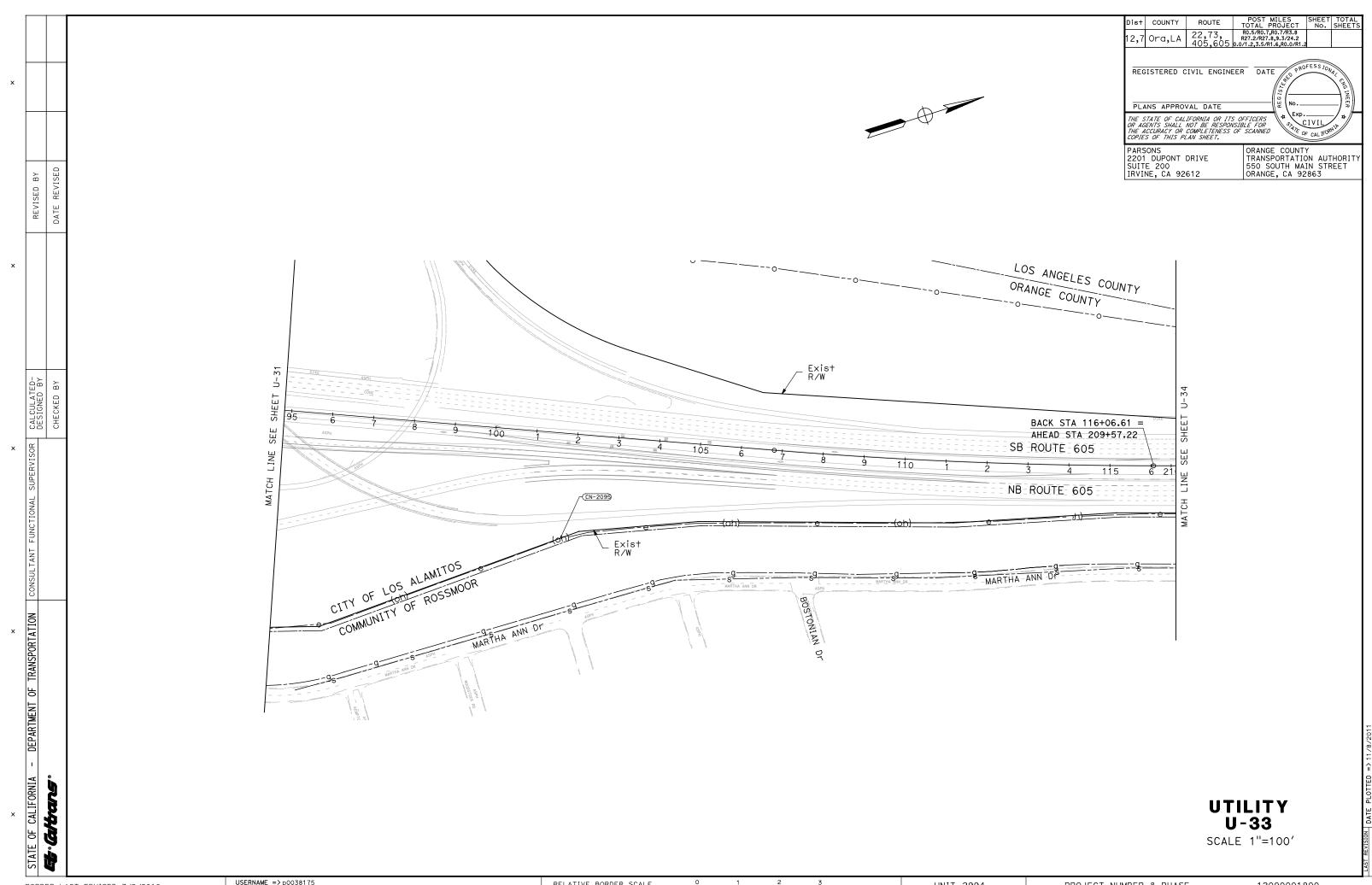
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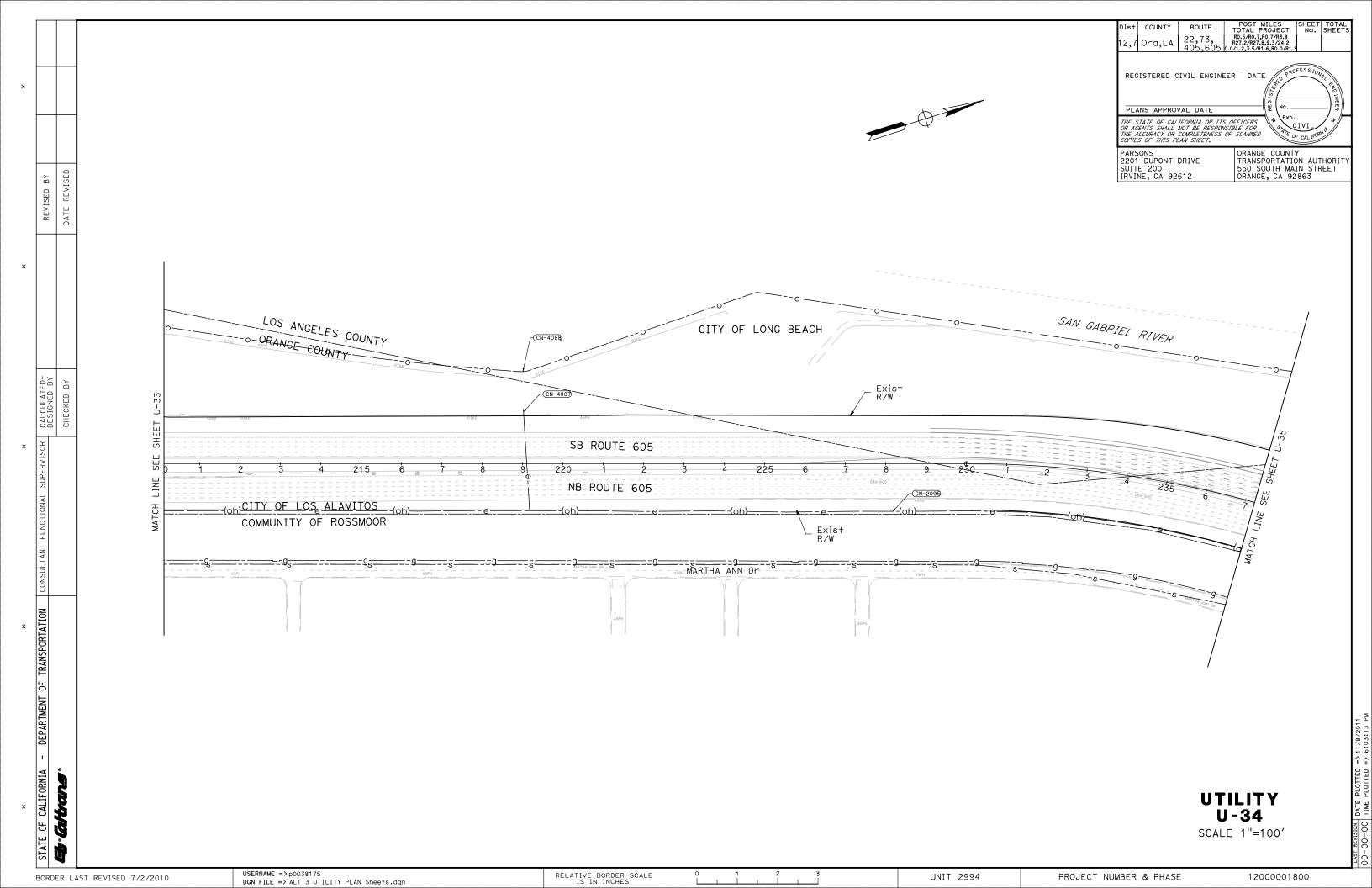
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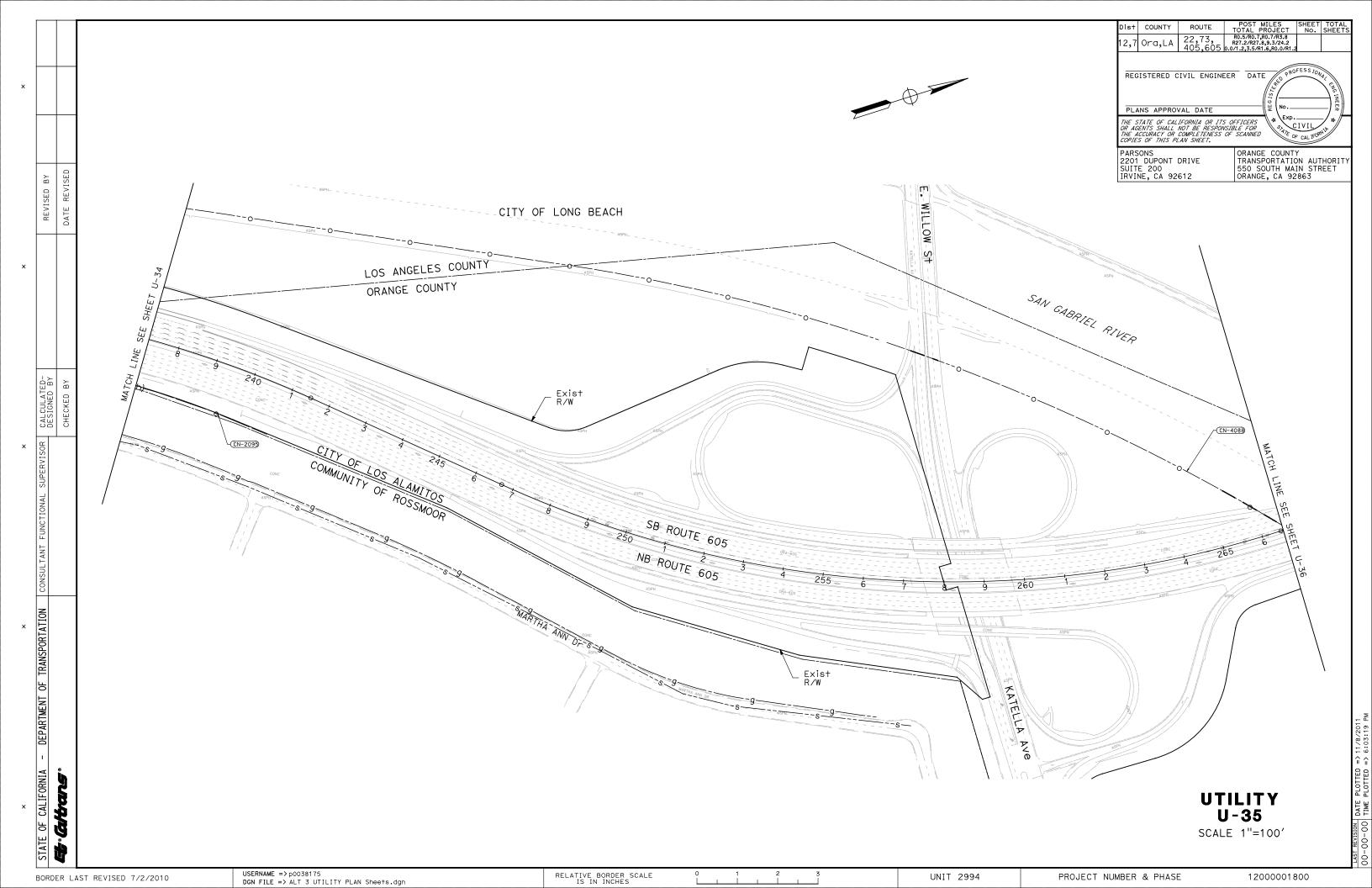
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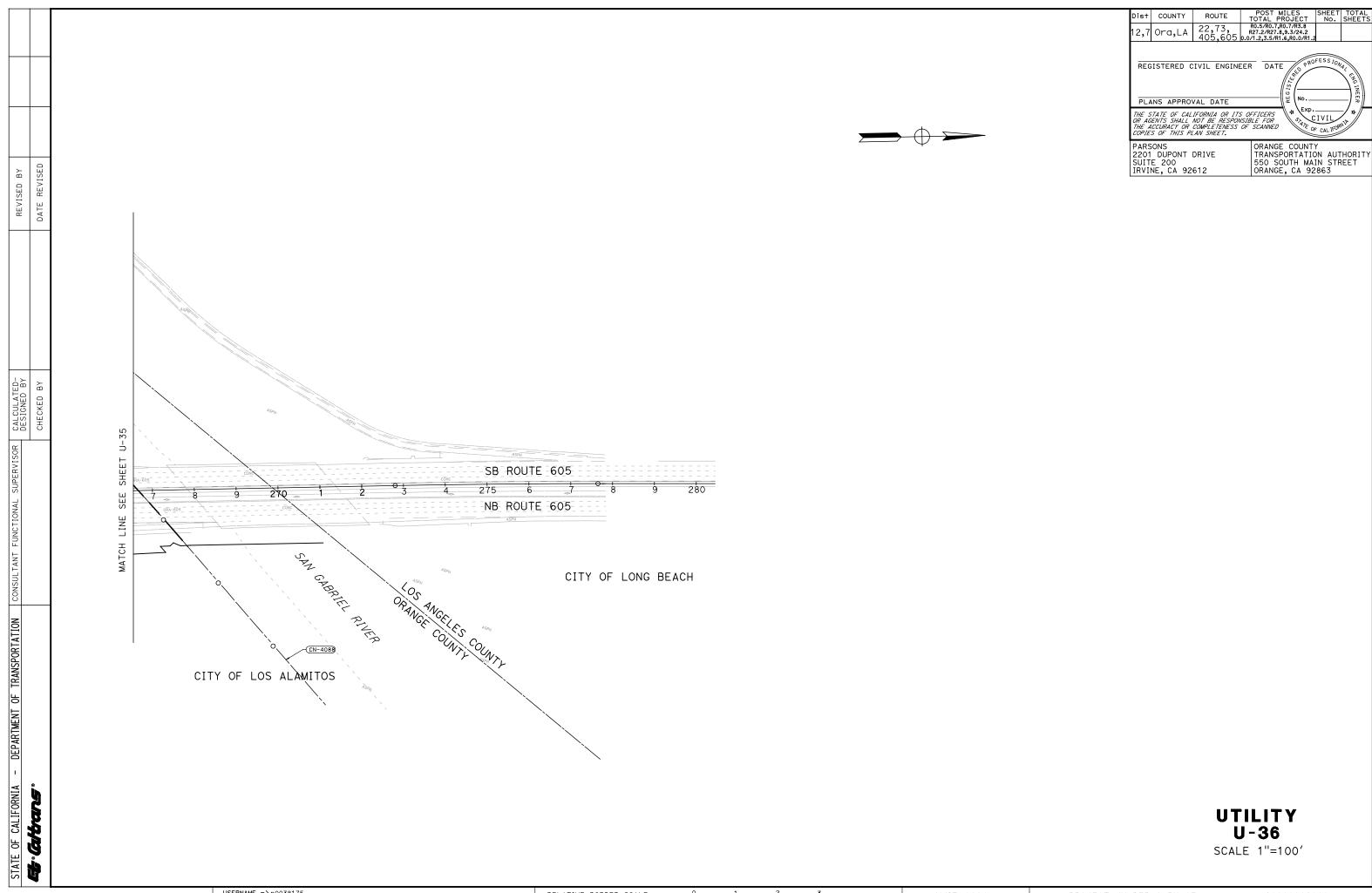
BORDER LAST REVISED 7/2/2010

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RELATIVE BORDER SCALE IS IN INCHES







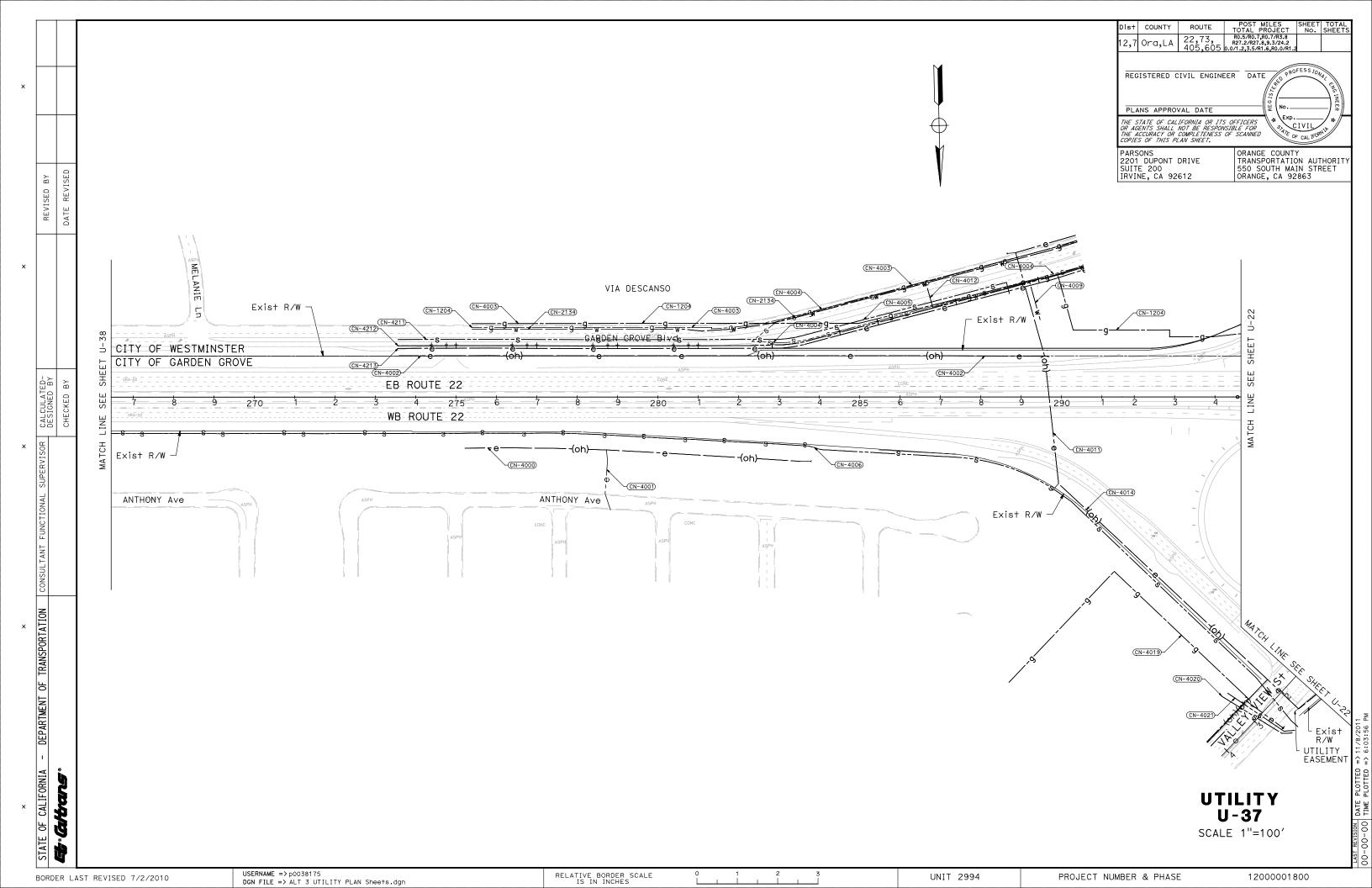
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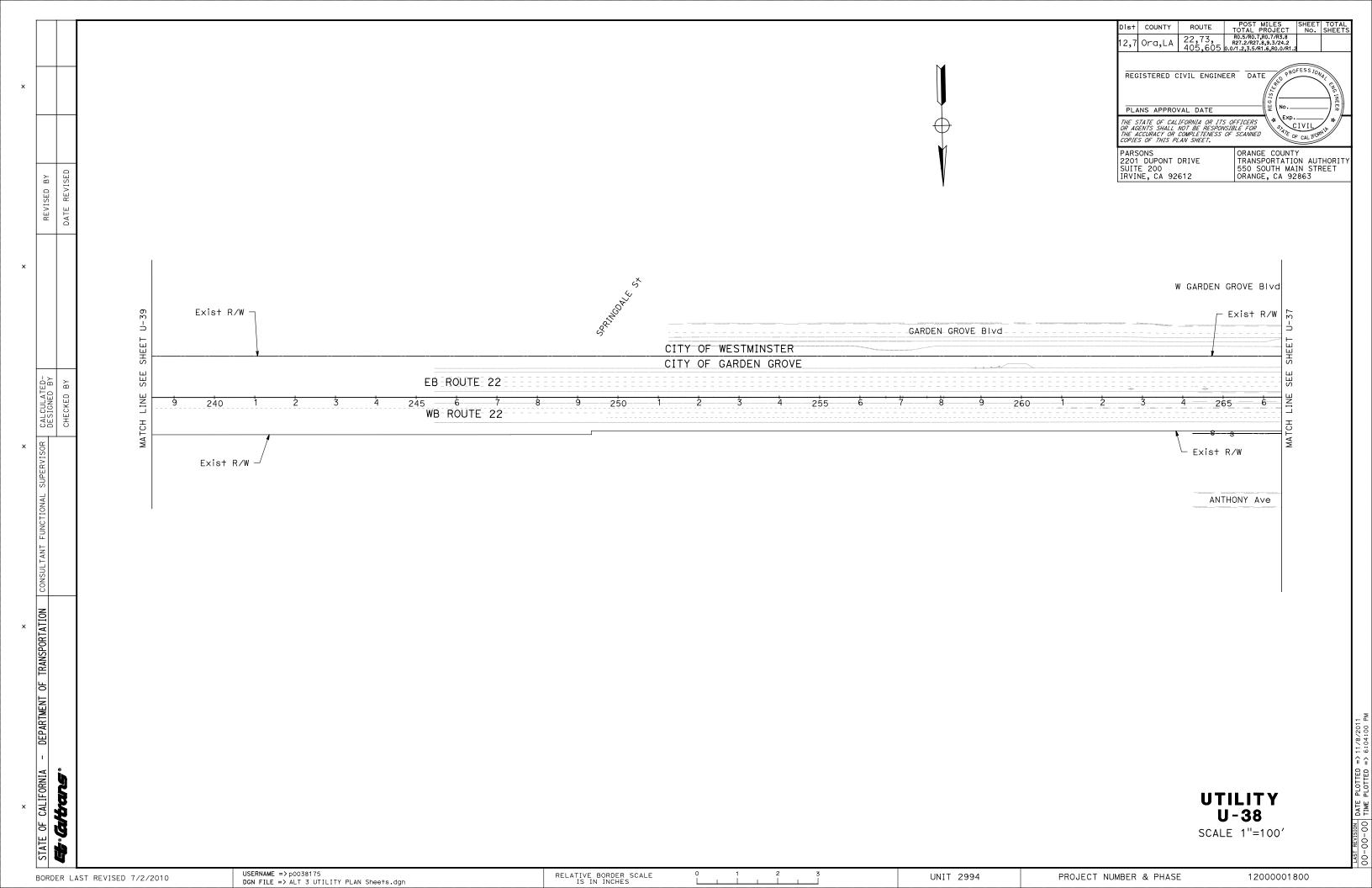
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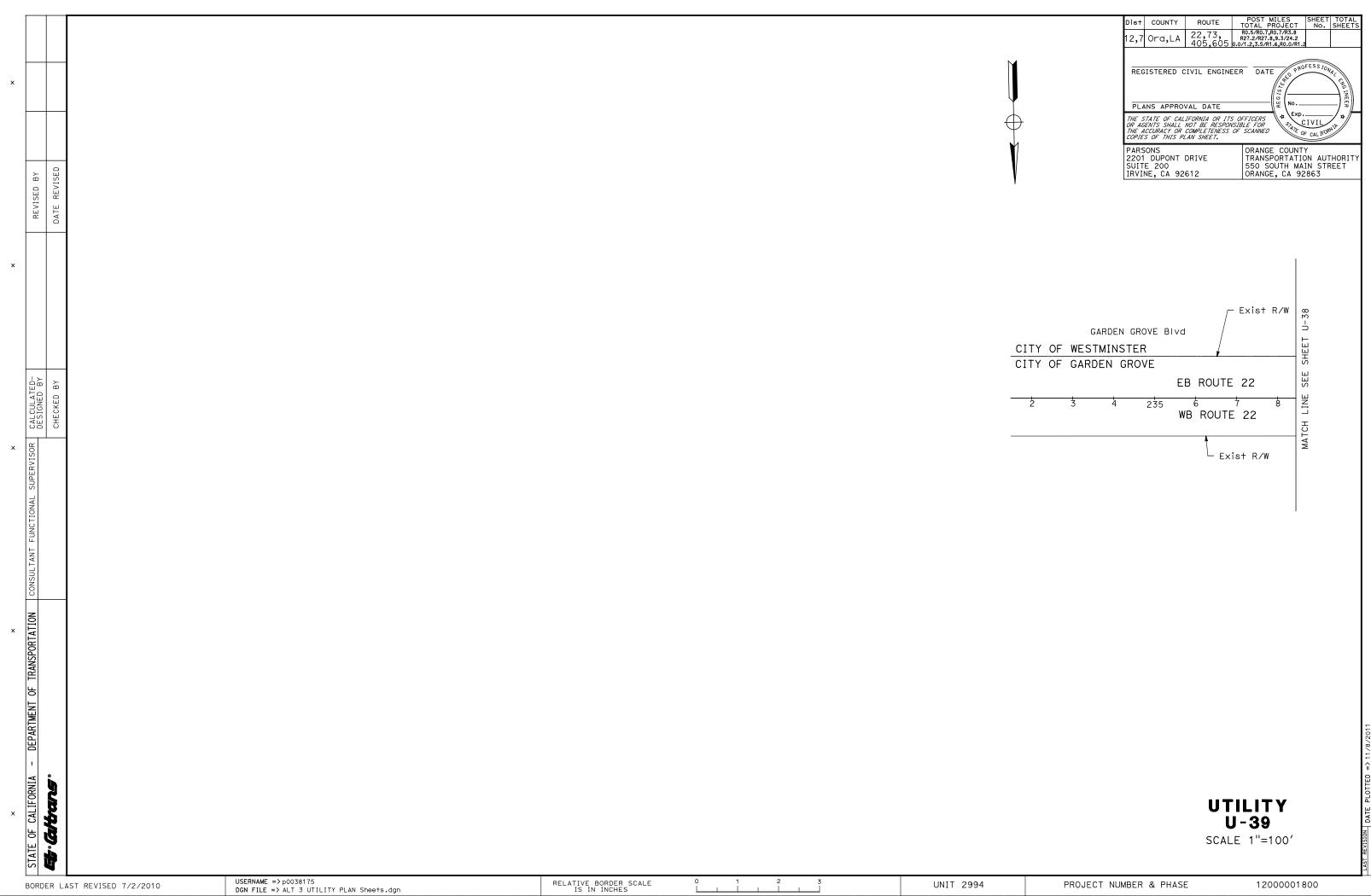
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DGN FILE => ALT 3 UTILITY PLAN Sheets.dgn

RELATIVE BORDER SCALE IS IN INCHES

UNIT 2994







K2: Utility Conflict Matrix

Notes: 1. Line to be encased up to and 5' beyond approach slab. 2. Matrix Legend
A Construction by utility owner
B Construction shared by utility owner and OCTA
C Construction by OCTA
D Design by utility owner
E Design by OCTA
F Caltrans master Agreement
G Franchise, License, Permit
H 50-50 cost share
I 100% OCTA
J 100% utility owner

Dist	COUNTY	ROUTE	TOTAL PROJECT No. SHEETS
12,7	Ora,LA	22,73, 405,605	R0.5/R0.7,R0.7/R3.8 R27.2/R27.8,9.3/24.2 0.0/1.2,3.5/R1.6,R0.0/R1.2
	ISTERED C	IVIL ENGINE	DATE PROFESS IONA PROFESS IO
OR AG THE A	ENTS SHALL	IFORNIA OR ITS NOT BE RESPON COMPLETENESS AN SHEET.	SOFFICERS SIBLE FOR
	ONS DUPONT	DRIVE	ORANGE COUNTY TRANSPORTATION AUTHORITY

SUITE 200 IRVINE, CA 92612

550 SOUTH MAIN STREET ORANGE, CA 92863

I-405 EIR/EIS - Utility Conflict Matrix

ò	o.													Alt	ternative 1			Alte	ernative 2			Al	ternative 3						Party
Conflict N	U-Sheet N	Utility Owner	Туре	Caltrans High Risk		Description	Location	Crossing	Station (Begin Station)	Station (End Station)	Esmt	Util Within ROW	LF	State Share	Utility Owner Share	Total Cost	LF	State Share	Utility Owner Share	Total Cost	LF	State Share	Utility Owner Share	Total Cost	Disposition	Conflicting Facility	Physical Relocation Responsibility	Design Responsibility	Responsible for Relocation Cost
1 1349	9 U-6A	Qwest	Communication	ı -	•	4-4" ducts	Along Harbor Blvd crossing I-405	Perpendicular	607+00	-	No	Yes Lump Sum									70	0	\$30,000	\$30,000	Extend encasement to improvement limits	Highway widening and potential impact by bridge improvements	С	E	J
2 4629	U-2 F	Fountain Valley	Water	-	-	12" DIP	East of Santa Ana River crossing I- 405	Perpendicular	654+00	-	Yes	- Lump - Sum	125	\$60,000	0	\$60,000	125	\$60,000	0	\$60,000	125	\$60,000	0	\$60,000	Extend encasement to ROW	Highway widening and potential impact by ramp improvements	С	E	I
3 4700	U-2	OCWD	Communication	ı -	-	Fiber Optic	Along Ellis Ave	Offset	662+00	668+00	Yes	- \$330	230	\$75,900	0	\$75,900	230	\$75,900	0	\$75,900	230	\$75,900	0	\$75,900	Relocate outside of conflicting area	Impact by ramp improvements	С	Е	I
4 4701	I U-2	OCWD	Power	1	-	480 V	Along Ellis Ave	Offset	662+00	668+00	Yes	- \$440	910	\$400,400	0	\$400,400	910	\$400,400	0	\$400,400	910	\$400,400	0	\$400,400	Relocate outside of conflicting area	Impact by ramp improvements	С	Е	I
5 4702	2 U-2	OCWD	Water	-	-	8" DIP	Along Ellis Ave	Offset	662+00	668+00	Yes	- \$330	200	\$66,000	0	\$66,000	200	\$66,000	0	\$66,000	200	\$66,000	0	\$66,000	Relocate outside of conflicting area	Impact by ramp improvements	С	Е	I
6 4654	1 U-2	OCWD	Water	-	-	12" ACP	Along Ellis Ave	Offset	660+50	666+00	Yes	- \$330	525	\$173,250	0	\$173,250	525	\$173,250	0	\$173,250	525	\$173,250	0	\$173,250	Relocate outside of conflicting area	Impact by ramp improvements	С	Е	I
7 4655	5 U-2	Fountain Valley	Water	-	-	16"	Along Ellis Ave	Offset	660+50	662+00	Yes	- \$330	150	\$49,500	0	\$49,500	150	\$49,500	0	\$49,500	150	\$49,500	0	\$49,500	Relocate outside of conflicting area	Impact by ramp improvements	С	E	I
8 4656	6 U-2	SCG	Gas	-	4	4"	Along Ellis Ave	Offset	660+00	662+00	No	No \$440	265	\$58,300	\$58,300	\$116,600	265	\$58,300	\$58,300	\$116,600	265	\$58,300	\$58,300	\$116,600	Relocate outside of conflicting area	Impact by ramp improvements	А	D	н
9 10 2092 2093 11	U-2	SCE	Power	-	•	66 kV OH and 12 kV OH	/ Between Santa Ana River and Euclid St crossing I-405	d Perpendicular	66450	-	Yes	- \$330	200	\$198,000	0	\$198,000	200	\$198,000	0	\$198,000	200	\$198,000	0	\$198,000	Relocate Underground	Impact by ramp improvements	А	D	ı
12 5005	5 U-2	SCE	Power Transmission	4	-	66 kV OH	Along Ellis Ave	Offset	664+50	680+00	Yes	- \$330	1,960	\$646,800	0	\$646,800	1,960	\$646,800	0	\$646,800	1,960	\$646,800	0	\$646,800	Relocate outside of conflicting area	Impact by ramp improvements	А	D	1
13 5006	6 U-2	SCE	Power	1	÷	12 kV OH	Along Ellis Ave	Offset	664+50	680+00	Yes	- Lump - Sum	1,960	\$1,212,500	0	\$1,212,500	1,960	\$1,212,500	0	\$1,212,500	1,960	\$1,212,500	0	\$1,212,500	Relocate outside of conflicting area	Impact by ramp improvements	А	D	ı
14 5007	7 U-2	SCE	Power	-	-	SCE Telcom	Along Ellis Ave	Offset	664+50	680+00	Yes	- \$330	1,960	\$646,800	0	\$646,800	1,960	\$646,800	0	\$646,800	1,960	\$646,800	0	\$646,800	Relocate outside of conflicting area	Impact by ramp improvements	А	D	I
15 1020	U-2	Fountain Valley	Water	-	1	12"	West of Euclid St crossing I-405	Perpendicular	665+50	-	Yes	- \$330	150	\$49,500	0	\$49,500	150	\$49,500	0	\$49,500	150	\$49,500	0	\$49,500	Extend encasement to improvement limits	Highway widening and potential impact by ramp improvements	С	E	I
16 4406	6 U-2	OCSD	Sewer	-	•	42" RCP	West of Euclid St crossing I-405	Perpendicular	665+00	-	Yes	- \$330	150	\$49,500	0	\$49,500	150	\$49,500	0	\$49,500	150	\$49,500	0	\$49,500	Extend encasement to improvement limits	Highway widening and potential impact by ramp improvements	С	Е	I
17 2075	5 U-4	SCE	Power	-		12 kV OH	East of Ward St crossing I-405	Perpendicular	694+00	-	No	No Lump Sum	1,600	0	\$400,000	\$400,000	1,600	0	\$400,000	\$400,000	1,600	0	\$400,000	\$400,000	Relocate outside of conflicting area	Bridge reconstruction	С	Е	J

UTILITY U-40

USERNAME =>p0026525 DGN FILE => ALT 3 UTILITY PLAN Sheets.dgn

PROJECT NUMBER & PHASE

12000001800

BORDER LAST REVISED 7/2/2010

RELATIVE BORDER SCALE IS IN INCHES

Notes:

1. Line to be encased up to and 5' beyond approach slab. 2. Matrix Legend

A Construction by utility owner

B Construction shared by utility owner and OCTA
C Construction by OCTA
D Design by utility owner
E Design by OCTA
F Caltrans master Agreement
G Franchise, License, Permit
H 50-50 cost share
I 100% OCTA
J 100% utility owner

USERNAME => p0026525

DGN FILE => ALT 3 UTILITY PLAN Sheets.dgn

ROUTE TOTAL PROJECT No. SHEET TOTAL No. SHEETS R12,73, R0.5/R0.7/R0.7/R3.8 R212.7/R21.8/9.3/24.2 405,605 0.0/1.2,3.5/R1.6,R0.0/R1.2 Dist COUNTY 2,7 Ora,LA

REGISTERED CIVIL ENGINEER DATE

PLANS APPROVAL DATE

THE STATE OF CALIFORNIA OR ITS OFFICERS OR AGENTS SHALL NOT BE RESPONSIBLE FOR THE ACCURACY OR COMPLETENESS OF SCANNED COPIES OF THIS PLAN SHEET,

PARSONS 2201 DUPONT DRIVE SUITE 200 IRVINE, CA 92612

ORANGE COUNTY TRANSPORTATION AUTHORITY 550 SOUTH MAIN STREET ORANGE, CA 92863

CIVIL

I-405 EIR/EIS - Utility Conflict Matrix

	<u>.</u> 0													Al	ternative 1			A	Iternative 2			Alt	ternative 3						Party
	Conflict N U-Sheet N	Utility Owner	Туре	Caltrans High Risk		Description	Location	Crossing	Station (Begin Station)	(End Esmt Station)	Util Within ROW	Unit Cost	LF	State Share	Utility Owner Share	Total Cost	LF	State Share	Utility Owner Share	Total Cost	LF	State Share	Utility Owner Share	Total Cost	Disposition	Conflicting Facility	Physical Relocation Responsibility	Design Responsibility	Responsible for Relocation Cost
18 1	327 U-4	Fountain Valley	Water	-		12" DIP	In Ward St Bridge crossing I-405	Perpendicular	695+00	- No	No	\$330	1,000	0	\$330,000	\$330,000	1,000	0	\$330,000	\$330,000	1,000	0	\$330,000	\$330,000	Relocate into new bridge	Bridge reconstruction	C	Е	J
19 2	077 U-4	SCE	Power	4		12 kV OH	Along Ward St	Offset	698+00	- Yes	-	Lump Sum	400	\$50,000	0	\$50,000	400	\$50,000	0	\$50,000	400	\$50,000	0	\$50,000	Relocate outside of conflicting area	Potential impact by street improvements	Α	D	1
20 2	078 U-4	SCE	Power	1	-	12 kV OH	Along Talbert Ave	Offset	698+00	- Yes	-	Lump Sum	250	\$50,000	0	\$50,000	250	\$50,000	0	\$50,000	250	\$50,000	0	\$50,000	Relocate outside of conflicting area	Potential impact by street improvements	А	D	ı
21 1	D16 U-5	Fountain Valley	Water	-	-	12"	East of Talbert Ave crossing I-405	Perpendicular	706+00	- Yes	-	\$330	575	\$189,750	0	\$189,750	575	\$189,750	0	\$189,750	575	\$189,750	0	\$189,750	Extend encasement to improvement limits	Highway widening and potential impact by ramp and street improvements	С	E	ı
22 1	324 U-5	Fountain Valley	Water	-	1	12" DIP	East of Talbert Ave crossing I-405	Perpendicular	707+00	- Yes	-	Lump Sum	150	\$60,000	0	\$60,000	150	\$60,000	0	\$60,000	150	\$60,000	0	\$60,000	Extend encasement to improvement limits	Highway widening	С	E	1
23 2	076 U-5	SCE	Power	4		12 kV OH	West of Talbert Ave bridge crossing I-405	Perpendicular	709+00	- No	Yes	Lump Sum	1,700	\$225,000	\$225,000	\$450,000	1,700	\$225,000	\$225,000	\$450,000	1,700	\$225,000	\$225,000	\$450,000	Relocate outside of conflicting area	Bridge reconstruction	Α	D	н
24 1	015 U-6	Fountain Valley	Water	-	1	12"	West of Brookhurst St crossing I- 405	Perpendicular	730+00	- Yes	-	\$330	715	\$235,950	0	\$235,950	715	\$235,950	0	\$235,950	715	\$235,950	0	\$235,950	Extend encasement to improvement limits	Highway widening and potential impact by ramp improvements	С	E	1
25 4	602 U-7	Fountain Valley	Water	-	-	12" DIP	West of Brookhurst St south of and along I-405	Parallel	745+00	747+00 Yes	-	Lump Sum					130	\$60,000	0	\$60,000	130	\$60,000	0	\$60,000	Provide encasement underneath new highway	Highway widening	С	E	1
26 1	014 U-7	Fountain Valley	Water	-	-	12"	In Slater Blvd bridge crossing I-405	Perpendicular	746+00	- No	Yes	\$330	1,000	0	\$330,000	\$330,000	1,000	0	\$330,000	\$330,000	1,000	0	\$330,000	\$330,000	Relocate into new bridge	Bridge reconstruction	С	Е	J
27 1	022 U-7	Fountain Valley	Sewer	-	-	18"	In Bushard St Bridge crossing I-405	Perpendicular	766+00	- No	Yes	\$440	1,100	0	\$484,000	\$484,000	1,100	0	\$484,000	\$484,000	1,100	0	\$484,000	\$484,000	Replace in kind into new bridge	Bridge reconstruction	С	Е	J
28 1	023 U-7	Fountain Valley	Sewer	-	-	10"	In Bushard St Bridge crossing I-405	Perpendicular	766+00	- No	Yes	\$440	1,200	0	\$528,000	\$528,000	1,200	0	\$528,000	\$528,000	1,200	0	\$528,000	\$528,000	Replace in kind into new bridge	Bridge reconstruction	С	E	J
29 5	000 U-8	SCE	Power Transmission	1	-	66 kV OH	East of Warner Ave bridge crossing 405	Perpendicular	782+00	- Yes	-	Lump Sum	1,250	\$450,000	0	\$450,000	1,250	\$450,000	0	\$450,000	1,250	\$450,000	0	\$450,000	Relocate outside of conflicting area	Bridge reconstruction	А	D	1
30 2	081 U-8	SCE	Power	1	-	12 kV UG	In Warner Ave bridge crossing I-405	Perpendicular	782+00	- No	Yes	Lump Sum	1,380	\$171,875	\$171,875	\$343,750	1,380	\$171,875	\$171,875	\$343,750	1,380	\$171,875	\$171,875	\$343,750	Replace in kind into new bridge	Bridge reconstruction	А	D	н
31 1	122 U-8	Verizon	Cell	-	-	Buried Cable	In Warner Ave bridge crossing I-405	Perpendicular	782+50	- No	Yes	Lump Sum	1,150	0	\$375,000	\$375,000	1,150	0	\$375,000	\$375,000	1,150	0	\$375,000	\$375,000	Relocate into new bridge	Bridge reconstruction	В	D	J
32 1	120 U-8	Verizon	Cell	-	-	Buried Cable	In Warner Ave bridge crossing I-405	Perpendicular	783+00	- No	Yes	Lump Sum	1,465	0	\$375,000	\$375,000	1,465	0	\$375,000	\$375,000	1,465	0	\$375,000	\$375,000	Relocate into new bridge	Bridge reconstruction	В	D	J
33 1	012 U-8	Fountain Valley	Water	-	-	16"	West of Warner Ave crossing I-405	Perpendicular	784+50	- Yes	-	\$330	850	\$280,500	0	\$280,500	850	\$280,500	0	\$280,500	850	\$280,500	0	\$280,500	Extend encasement to ROW	Highway widening and potential impact by ramp and street improvements	С	E	I
34 1	021 U-8	Fountain Valley	Sewer	-	-	12" VCP	East of Magnolia crossing I-405	Perpendicular	794+50	- Yes	-	Lump Sum	115	\$40,000	0	\$40,000	115	\$40,000	0	\$40,000	115	\$40,000	0	\$40,000	Relocate outside of conflicting area	Potential impact by ramp improvements	С	Е	ı
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UTILITY U-41

12000001800

RELATIVE BORDER SCALE IS IN INCHES UNIT 2994 PROJECT NUMBER & PHASE

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51	50	49	48	47	45 46	44	43	42	40	39	38	37	36	35			No ⁻ 1. 2.	
4610	4611	4637	1102	2040	1175 2043	1106	4354	4353	1108	2082	4604	4345	1011	4352	Conflict No.		tes: Lir Mat	
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BORDER LAST REVISED 7/2/2010

DIS+ COUNTY ROUTE TOTAL PROJECT No. SHEET TOTAL 12,7 Ora,LA 22,73, R0.5/R0.7,R0.7/R3.8 R27.2/R27.8,9.3/24.2 405,605 0.0/1.2,3.5/R1.6,R0.0/R1.2 REGISTERED CIVIL ENGINEER DATE OF PROFESSION PLANS APPROVAL DATE CIVIL THE STATE OF CALIFORNIA OR ITS OFFICERS OR AGENTS SHALL NOT BE RESPONSIBLE FOR THE ACCURACY OR COMPLETENESS OF SCANNED COPIES OF THIS PLAN SHEET, OF CAL IFORM PARSONS 2201 DUPONT DRIVE SUITE 200 IRVINE, CA 92612 ORANGE COUNTY TRANSPORTATION AUTHORITY 550 SOUTH MAIN STREET ORANGE, CA 92863

1. Line to be encased up to and 5' beyond approach slab.

2. Matrix Legend

A Construction by utility owner

B Construction shared by utility owner and OCTA
C Construction by OCTA
D Design by utility owner
E Design by OCTA
F Caltrans master Agreement
G Franchise, License, Permit
H 50-50 cost share
I 100% OCTA
J 100% utility owner

I-405 EIR/EIS - Utility Conflict Matrix

Utility Owner	Туре	Caltrans High Risk	Caltrans				Station	Station	Util				ternative 1			Alte					ernative 3						
			Low Risk	Description	Location	Crossing	(Begin Station)	(End Esm Station)		Unit Cost	LF	State Share	Utility Owner Share	Total Cost	LF	State Share	Utility Owner Share	Total Cost	LF	State Share	Utility Owner Share	Total Cost	Disposition	Conflicting Facility	Physical Relocation Responsibility	Design Responsibility	Party Responsible for Relocation Cost
SCE	Power	4	-	12 kV OH	Along Magnolia St	Offset	792+00	796+00 Yes	-	Lump Sum	710	\$200,000	0	\$200,000	710	\$200,000	0	\$200,000	710	\$200,000	0	\$200,000	Relocate outside of conflicting area	Potential impact by street improvements	А	D	1
Fountain Valley	Water	-	-	12"	West of Magnolia St crossing I-405	Perpendicular	803+00	- Yes	-	\$330	480	\$158,400	0	\$158,400	480	\$158,400	0	\$158,400	480	\$158,400	0	\$158,400	Extend encasement to improvement limits	Highway widening and potential impact by ramp improvements	С	E	I
SCE	Power	4	-	12 kV OH	West of Magnolia St along south of I- 405	Parallel	817+00	821+00 No	No	Lump Sum	370	\$25,000	\$25,000	\$50,000	370	\$25,000	\$25,000	\$50,000	370	\$25,000	\$25,000	\$50,000	Relocate outside of conflicting area	Highway widening and pedestrian bridge reconstruction	А	D	н
SCE	Power	1	-	12 kV OH	West of Magnolia St along north of I- 406	Parallel	818+00	822+00 No	No	Lump Sum	405	\$25,000	\$25,000	\$50,000	405	\$25,000	\$25,000	\$50,000	405	\$25,000	\$25,000	\$50,000	Relocate outside of conflicting area	Highway widening and pedestrian bridge reconstruction	А	D	н
) SCE	Power	-	-	12 kV OH	Heil Ave crossing I-405	Perpendicular	819+00	- No	No	Lump Sum	450	\$125,000	\$125,000	\$250,000	450	\$125,000	\$125,000	\$250,000	450	\$125,000	\$125,000	\$250,000	Relocate outside of conflicting area	Highway widening and pedestrian bridge reconstruction	А	D	н
) Westminster	Water	-	-	8" AC	Heil Ave crossing I-405	Perpendicular	819+50	- Yes	-	Lump Sum	150	\$60,000	0	\$60,000	150	\$60,000	0	\$60,000	150	\$60,000	0	\$60,000	Provide encasement underneath new highway	Highway widening and pedestrian bridge reconstruction	С	E	1
Midway City Sanitation District	Sewer	-	-	10" VCP	Heil Ave crossing I-405	Perpendicular	819+50	- Yes	-	Lump Sum	185	\$60,000	0	\$60,000	185	\$60,000	0	\$60,000	185	\$60,000	0	\$60,000	Provide encasement underneath new highway	Highway widening and pedestrian bridge reconstruction	С	E	1
TWC	CATV	-	-	TV	Heil Ave	Offset	820+00	- Yes	-	\$330	405	\$133,650	0	\$133,650	405	\$133,650	0	\$133,650	405	\$133,650	0	\$133,650	Relocate outside of conflicting area	Highway widening and pedestrian bridge reconstruction	С	E	ı
TWC	CATV	-	-	TV	Venus Drive	Offset	820+00	- Yes	-	\$330	370	\$122,100	0	\$122,100	370	\$122,100	0	\$122,100	370	\$122,100	0	\$122,100	Relocate outside of conflicting area	Highway widening and pedestrian bridge reconstruction	С	E	I
WOCWB	Water	-	-	22" CI	In Newland St bridge crossing I-405	Perpendicular	840+00	- No	No	\$330	1,250	0	\$412,500	\$412,500	1,250	0	\$412,500	\$412,500	1,250	0	\$412,500	\$412,500	Relocate into new bridge	Bridge reconstruction	С	E	J
l Verizon	Telephone	-	-	4-4" ducts	West of Newland St crossing I-405	Perpendicular	840+50	- Yes	-	Lump Sum	110	0	\$500,000	\$500,000	110	0	\$500,000	\$500,000	110	0	\$500,000	\$500,000	Extend encasement to ROW	Highway widening	С	E	J
2 SCE	Power	٨	-	12 kV UG	In Edinger Ave bridge crossing I-405	Perpendicular	859+00	- No	No	Lump Sum	1,000	\$140,625	\$140,625	\$281,250	1,000	\$140,625	\$140,625	\$281,250	1,000	\$140,625	\$140,625	\$281,250	Relocate into new bridge	Bridge reconstruction	А	D	н
2 SCE	Power	٧	-	12 kV UG	Along Beach Blvd	Offset	875+00	890+00 No	No	Lump Sum	1,350	\$187,500	\$187,500	\$375,000	1,350	\$187,500	\$187,500	\$375,000	1,350	\$187,500	\$187,500	\$375,000	Relocate outside of conflicting area	Bridge reconstruction	А	D	н
6 Westminster	Water	-	-	12" Steel	Under Bolsa Ave bridge crossing I- 405	Perpendicular	936+50	- No	No	\$330	1,050	0	\$346,500	\$346,500	1,050	0	\$346,500	\$346,500	1,050	0	\$346,500	\$346,500	Relocate into new bridge	Bridge reconstruction	С	E	J
S Verizon	Telephone	-	-	4-4" ducts	In Bolsa Ave bridge crossing I-405	Perpendicular	937+00	- No	No	Lump Sum	1,100	0	\$700,000	\$700,000	1,100	0	\$700,000	\$700,000	1,100	0	\$700,000	\$700,000	Relocate into new bridge	Bridge reconstruction	С	E	J
S SCE	Power	٧	-	12 kV UG	Between Bolsa Ave and Goldenwest St north of and along I-405	Parallel	939+00	947+00 No	Yes	Lump Sum	860	\$118,750	\$118,750	\$237,500	860	\$118,750	\$118,750	\$237,500	860	\$118,750	\$118,750	\$237,500	Relocate outside of conflicting area	Highway widening	А	D	н
S SCE	Power	٧	-	12 kV OH	West of Bolsa Ave along I-405	Parallel	940+00	- No	No	Lump Sum	380	\$50,000	\$50,000	\$100,000	380	\$50,000	\$50,000	\$100,000	380	\$50,000	\$50,000	\$100,000	Relocate outside of conflicting area	Highway widening	А	D	н
	Valley SCE SCE SCE Westminster Mdway City Sanitation District TWC TWC WOCWB Verizon SCE Westminster Verizon SCE	SCE Power SCE Power SCE Power SCE Power Westminster Water Midway City Sanitation District TWC CATV TWC CATV WOCWB Water Verizon Telephone SCE Power Westminster Water Verizon Telephone SCE Power Westminster Water	SCE Power SCE Power SCE Power SCE Power SCE Power Westminster Water Midway City Sanitation District TWC CATV - TWC CATV - WOCWB Water Verizon Telephone SCE Power Westminster SCE Power Verizon Telephone SCE Power SCE Power Westminster Water SCE Power Westminster Water Verizon Telephone SCE Power Westminster Water SCE Power Verizon Telephone SCE Power Verizon Tel	Valley value - - - SCE Power √ - - SCE Power - - - Westminster Water - - - Midway City Sanitation District Sewer - - - TWC CATV - - - TWC CATV - - - WOCWB Water - - - Verizon Telephone - - - SCE Power √ - - Westminster Water - - - Verizon Telephone - - - SCE Power √ - -	Valley	SCE	SCE	Valley Valley	Valley V	Valley Valley	Valley V	Valley V	Vestor V	Victor V	Nation Vision V	Valety V	Valey Valey Valey Valey Valey Valey Valey Magnified Schooling Floor Valey Valey Valey Magnified Schooling Floor Valey Valey Valey Magnified Schooling Floor Valey Valey	Value Valu	Note Power V	Solid Power Visit Visi	Sect Power 1	Second Power 1	Section Private 1	Section 1.5	This is a state of the control of	This is a control of the control o	Final Control Final Contro

UTILITY U-42

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	REVISED	DATE REV			Conflict No.	U-Sheet No.	Utility Owner	Туре	Caltrans High Risk	Caltrans Low Risk	Description	Location
			І Г.	-0.4			000	0	1		400	West of Delta Assessment 105
×				52 1	1201	U-16	SCG	Gas	`	-	16"	West of Bolsa Ave crossing I-405
				53 2	2026	U-16	SCE	Power	-	-	12 kV OH	East of Goldenwest St crossing I- 405
			ŧ	54 4	4328	U-16	SCE	Power	-	-	12 kV OH	East of Goldenwest St crossing I- 405
				55 4	4330	U-16	TWC	CATV	-	-	TV	East of Goldenwest St crossing I- 406
	CULATED-	KED BY	Ę	56 4	1616	U-16	Westminster	Water	-	-	12" DIP	West of Goldenwest St, north of and along I-405
	CALCI DESIC	CHECKED		57 1	1007	U-16	Chevron	Oil	4	-	8"	In Goldenwest St bridge crossing I- 405
×	SUPERVISOR			58 1	1008	U-16	Chevron	Oil	٧	-	8"	In Goldenwest St bridge crossing I- 405
	AL SUPE			59 1	1009	U-16	Chevron	Oil	٧	-	6"	In Goldenwest St bridge crossing I- 405
	JNCTIONA		6	50 1	1430	U-16	Verizon	Telephone	-	-	35"	In Goldenwest St bridge crossing I- 405
	ANT FL		6	61 1	1101	U-16	Westminster	Water	-	÷	10" AC	In Goldenwest St bridge crossing I- 405
	CONSULTANT FUNCTIONA		6	62 4	1615	U-16	Westminster	Water	-	-	12" DIP	West of Goldenwest St, south of and along I-405
	NOI			63 1	1200	U-16	SCG	Gas	4	-	16"	West of Goldenwest St, along off ramp and crossing I-405
×	DEPARTMENT OF TRANSPORTATION		6	64 1	1196	U-16	Paramont Petroleum	Oil	٧	-	6"	West of Goldenwest St crossing I- 405
	F TRAN		6	65 1	1197	U-16	Paramont Petroleum	Oil	4	-	12"	West of Goldenwest St crossing I- 405
	TMENT 0		6	66 1	1431	U-16	Westminster	Water	-	-	2"	West of Goldenwest St crossing I- 405
	DEPAR		6	67 4	1617	U-17	SCE	Power	٨	-	12 kV OH	West of Goldenwest St, north of and along I-405
	NIA -	ů	6	68 4	1638	U-17	Westminster	Water	-	-	12" DIP	West of Goldenwest St, south of and along I-405
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BORDER LAST REVISED 7/2/2010

DIS+ COUNTY ROUTE TOTAL PROJECT No. SHEET TOTAL 12,7 Ora,LA 22,73, R0.5/R0.7,R0.7/R3.8 R27.2/R27.8,9.3/24.2 405,605 0.0/1.2,3.5/R1.6,R0.0/R1.2 REGISTERED CIVIL ENGINEER DATE OF PROFESSION PLANS APPROVAL DATE CIVIL THE STATE OF CALIFORNIA OR ITS OFFICERS OR AGENTS SHALL NOT BE RESPONSIBLE FOR THE ACCURACY OR COMPLETENESS OF SCANNED COPIES OF THIS PLAN SHEET, OF CAL IFORM PARSONS 2201 DUPONT DRIVE SUITE 200 IRVINE, CA 92612 ORANGE COUNTY TRANSPORTATION AUTHORITY 550 SOUTH MAIN STREET ORANGE, CA 92863

I-405 EIR/EIS - Utility Conflict Matrix

	o e	ġ.								Station	Station	Util			A	ternative 1			Alt	ernative 2			Alt	ternative 3						Party
	Conflict	U-Sheet 1	ity Owner	Туре	Caltrans High Risk		Description	Location	Crossing	(Begin Station)	(End Esm Station)			LF	State Share	Utility Owner Share	Total Cost	LF	State Share	Utility Owner Share	Total Cost	LF	State Share	Utility Owner Share	Total Cost	Disposition	Conflicting Facility	Physical Relocation Responsibility	Design Responsibility	Responsible for Relocation Cost
52	1201	U-16	SCG	Gas	٧	-	16"	West of Bolsa Ave crossing I-405	Perpendicular	940+50	- No	No	\$440	1,200	\$132,000	\$132,000	\$264,000	1,200	\$132,000	\$132,000	\$264,000	1,200	\$132,000	\$132,000	\$264,000	Relocate into new bridge	Bridge reconstruction	А	D	н
53	2026	U-16	SCE	Power	-		12 kV OH	East of Goldenwest St crossing I- 405	Perpendicular	944+00	- No	No	Lump Sum	305	\$100,000	\$100,000	\$200,000	305	\$100,000	\$100,000	\$200,000	305	\$100,000	\$100,000	\$200,000	Relocate outside of conflicting area	Highway widening	А	D	н
54	4328	U-16	SCE	Power	-	-	12 kV OH	East of Goldenwest St crossing I- 405	Perpendicular	944+00	- No	No	\$330	305	\$50,325	\$50,325	\$100,650	305	\$50,325	\$50,325	\$100,650	305	\$50,325	\$50,325	\$100,650	Relocate outside of conflicting area	Highway widening	А	D	н
55	4330	U-16	TWC	CATV	-		TV	East of Goldenwest St crossing I- 406	Perpendicular	944+01	- No	No	\$330	305	\$50,325	\$50,325	\$100,650	305	\$50,325	\$50,325	\$100,650	305	\$50,325	\$50,325	\$100,650	Relocate outside of conflicting area	Highway widening	А	D	н
56	4616	U-16 Wes	stminster	Water	-		12" DIP	West of Goldenwest St, north of and along I-405	Parallel	946+00	954+00 Yes	-	\$330	1,050	\$346,500	0	\$346,500	1,050	\$346,500	0	\$346,500	1,050	\$346,500	0	\$346,500	Relocate outside of conflicting area	Highway widening and potential impact by ramp improvements	С	E	ı
57	1007	U-16 C	Chevron	Oil	٨	-	8"	In Goldenwest St bridge crossing I- 405	Perpendicular	947+50	- Yes	-	\$550	1,000	\$275,000	\$275,000	\$550,000	1,000	\$275,000	\$275,000	\$550,000	1,000	\$275,000	\$275,000	\$550,000	Relocate into new bridge	Bridge reconstruction	А	D	н
58	1008	U-16 C	Chevron	Oil	٧	-	8"	In Goldenwest St bridge crossing I- 405	Perpendicular	947+50	- Yes	-	\$550	1,000	\$275,000	\$275,000	\$550,000	1,000	\$275,000	\$275,000	\$550,000	1,000	\$275,000	\$275,000	\$550,000	Relocate into new bridge	Bridge reconstruction	А	D	н
59	1009	U-16 C	Chevron	Oil	1	-	6"	In Goldenwest St bridge crossing I- 405	Perpendicular	947+50	- Yes	-	\$550	1,000	\$275,000	\$275,000	\$550,000	1,000	\$275,000	\$275,000	\$550,000	1,000	\$275,000	\$275,000	\$550,000	Relocate into new bridge	Bridge reconstruction	А	D	н
60	1430	U-16 V	/erizon	Telephone	-	-	35"	In Goldenwest St bridge crossing I- 405	Perpendicular	948+00	- No	No	Lump Sum	925	0	\$1,800,000	\$1,800,000	925	0	\$1,800,000	\$1,800,000	925	0	\$1,800,000	\$1,800,000	Relocate into new bridge	Bridge reconstruction	С	E	J
61	1101	U-16 Wes	stminster	Water	-	-	10" AC	In Goldenwest St bridge crossing I- 405	Perpendicular	949+00	- No	No	\$330	1,075	0	\$354,750	\$354,750	1,075	0	\$354,750	\$354,750	1,075	0	\$354,750	\$354,750	Relocate into new bridge	Bridge reconstruction	С	E	J
62	4615	U-16 Wes	stminster	Water	-		12" DIP	West of Goldenwest St, south of and along I-405	^d Parallel	950+00	- Yes	-	\$330	450	\$148,500	0	\$148,500	450	\$148,500	0	\$148,500	450	\$148,500	0	\$148,500	Relocate outside of conflicting area	Highway widening and potential impact by ramp improvements	С	E	I
63	1200	U-16	SCG	Gas	٧	-	16"	West of Goldenwest St, along off ramp and crossing I-405	Perpendicular	950+50	- No	Yes	\$440	1,300	\$286,000	\$286,000	\$572,000	1,300	\$286,000	\$286,000	\$572,000	1,300	\$286,000	\$286,000	\$572,000	Relocate into new bridge	Bridge reconstruction	А	D	н
64	1196		aramont etroleum	Oil	4	-	6"	West of Goldenwest St crossing I- 405	Perpendicular	951+00	- Yes	-	Lump Sum	130	\$60,000	0	\$60,000	130	\$60,000	0	\$60,000	130	\$60,000	0	\$60,000	Extend encasement to ROW	Highway widening and potential impact by ramp improvements	А	D	ı
65	1197		aramont etroleum	Oil	٧	-	12"	West of Goldenwest St crossing I- 405	Perpendicular	951+00	- Yes	-	Lump Sum	130	\$60,000	0	\$60,000	130	\$60,000	0	\$60,000	130	\$60,000	0	\$60,000	Extend encasement to ROW	Highway widening and potential impact by ramp improvements	А	D	I
66	1431	U-16 Wes	stminster	Water	-	-	2"	West of Goldenwest St crossing I- 405	Perpendicular	951+50	- Yes	-	\$330	250	\$82,500	0	\$82,500	250	\$82,500	0	\$82,500	250	\$82,500	0	\$82,500	Relocate as part of a relocation o a system	Highway widening and potential impact by ramp improvements and	С	E	I
67	4617	U-17	SCE	Power	٧	,	12 kV OH	West of Goldenwest St, north of and along I-405	Parallel	955+00	963+50 No	Yes	Lump Sum					825	\$175,000	\$175,000	\$350,000	825	\$175,000	\$175,000	\$350,000	Relocate outside of conflicting area	Highway widening	А	D	Н
68	4638	U-17 Wes	stminster	Water	-	-	12" DIP	West of Goldenwest St, south of and along I-405	Parallel	965+50	977+00 Yes	-	\$330					1,150	\$379,500	0	\$379,500	1,150	\$379,500	0	\$379,500	Relocate outside of conflicting area	Highway widening	С	Е	I

UTILITY U-43

UNIT 2994 PROJECT NUMBER & PHASE

USERNAME => p0026525

DGN FILE => ALT 3 UTILITY PLAN Sheets.dgn

RELATIVE BORDER SCALE IS IN INCHES

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		Q				B Con Con Des E Des Cal G Fra H 50- I 100	structic structic ign by c ign by (trans monchise, 50 cost % OCTA	on shoon by utility OCTA aster Licens	ired to OCTA over owned Agree of Period (Period (Perio	er ement	owner and OCTA
	REVISED BY	DATE REVISED		á		J 100	% utilit	y own	er		
				Conflict No	U-Sheet No.	Utility Owner	Туре	Caltrans High Risk	Caltrans Low Risk	Description	Location
×			69	4618	U-17	Westminster	Water	-		12" DIP	West of Goldenwest St, south of and along I-405
			70	1440	U-17	Westminster	Water	-	-	12" DIP	Between Goldenwest St and Edward St crossing I-405
			71	1120	U-18	Verizon	Telephone	-	1	4-4" ducts	In Edward St bridge crossing I-405
			72	1123	U-18	Verizon	Cell	-	1	Buried Cable	West of Edward St crossing I-405
	CALCULATED- DESIGNED BY	KED BY	73	1096	U-18	Westminster	Water	-	1	8" Steel	West of Edward St crossing I-405
	CALCU	CHECKED	74	1449	U-18	Westminster	Water	-	1	10"	West of Edward St crossing I-405
×	SUPERVISOR		75	2020	U-18	SCE	Power	-	1	12 kV OH	Along Edward St
			76	4640	U-18	Verizon	Cell	-	-	Buried Cable	West of Edward St crossing I-405
	JNCTION,		77	1193	U-18	SCG	Gas	-	1	3"	West of Edward St crossing I-405
	CONSULTANT FUNCTIONAL		78	1005	U-18	Verizon	Telephone	-	-	2" PVC	West of Edward St crossing I-405
	CONSUL		79	1454	U-18	Westminster	Sewer	-	-	6"	West of Edward St crossing I-405
	NOI		80	1091	U-18	Westminster	Water			8" AC	East of Westminster Blvd crossing I 405
×	SPORTAI		81	1092	U-18	Midway City Sanitation District	Sewer	-	-	8"	East of Westminster Blvd crossing I 405
	DEPARTMENT OF TRANSPORTATION		82	1130	U-18	Midway City Sanitation District	Sewer	-	-	8"	East of Westminster Blvd crossing I 405
	MENT 0		83	1093	U-18	Westminster	Water	-	-	12"	East of Westminster Blvd crossing I 405
	DEPART		84	1094	U-18	SCG	Gas	-	7	6"	East of Westminster Blvd crossing I 405
	CALIFORNIA -	€	85	1202	U-18	SCG	Gas	1	-	10"	East of Westminster Blvd crossing I 405

DIS+ COUNTY ROUTE TOTAL PROJECT No. SHEET TOTAL 12,7 Ora,LA 22,73, R0.5/R0.7,R0.7/R3.8 R27.2/R27.8,9.3/24.2 405,605 0.0/1.2,3.5/R1.6,R0.0/R1.2 REGISTERED CIVIL ENGINEER DATE OF PROFESSION PLANS APPROVAL DATE CIVIL THE STATE OF CALIFORNIA OR ITS OFFICERS OR AGENTS SHALL NOT BE RESPONSIBLE FOR THE ACCURACY OR COMPLETENESS OF SCANNED COPIES OF THIS PLAN SHEET, OF CAL IFORM PARSONS 2201 DUPONT DRIVE SUITE 200 IRVINE, CA 92612

I-405 EIR/EIS - Utility Conflict Matrix

	Š	Š								Station	Station		Util		А	ternative 1			,	Alternative 2			A	ternative 3						Party
	Conflict	U-Sheet I	tility Owner	Туре	Caltrans High Risk		Description	Location	Crossing	(Begin Station)		smt V	Vithin ROW	LF	State Share	Utility Owner Share	Total Cost	LF	State Share	Utility Owner Share	Total Cost	LF	State Share	Utility Owner Share	Total Cost	Disposition	Conflicting Facility	Physical Relocation Responsibility	Design Responsibility	Responsible for Relocation Cost
69	4618	U-17 W	/estminster	Water	-	,	12" DIP	West of Goldenwest St, south of and along I-405	Parallel	966+00	977+00	'es	- \$330					1,060	\$349,800	0	\$349,800	1,060	\$349,800	0	\$349,800	Relocate outside of conflicting area	Highway widening	С	E	ı
70	1440	U-17 W	/estminster	Water	-	,	12" DIP	Between Goldenwest St and Edward St crossing I-405	Perpendicular	968+00	- \	'es	- \$330	225	\$74,250	0	\$74,250	225	\$74,250	0	\$74,250	225	\$74,250	0	\$74,250	Relocate as part of a relocation o a system	Highway widening	С	E	1
71	1120	U-18	Verizon	Telephone	-	-	4-4" ducts	In Edward St bridge crossing I-405	Perpendicular	982+50	- 1	No	No Lump Sum	935	0	\$1,200,000	\$1,200,000	935	0	\$1,200,000	\$1,200,000	935	0	\$1,200,000	\$1,200,000	Relocate into new bridge	Bridge reconstruction	С	E	J
72	1123	U-18	Verizon	Cell	-	-	Buried Cable	West of Edward St crossing I-405	Perpendicular	985+00	- 1	No	No Lump Sum	75	0	\$30,000	\$30,000	75	0	\$30,000	\$30,000	75	0	\$30,000	\$30,000	Extend encasement to ROW	Highway widening and wall construction	В	D	J
73	1096	U-18 W	estminster/	Water	-	-	8" Steel	West of Edward St crossing I-405	Perpendicular	985+50	- N	'es	Lump Sum	125	\$60,000	0	\$60,000	125	\$60,000	0	\$60,000	125	\$60,000	0	\$60,000	Extend encasement to ROW	Highway widening and wall construction	С	E	I
74	1449	U-18 W	estminster/	Water	-	-	10"	West of Edward St crossing I-405	Perpendicular	985+50	- 1	'es	- Lump Sum	125	\$60,000	0	\$60,000	125	\$60,000	0	\$60,000	125	\$60,000	0	\$60,000	Extend encasement to ROW	Highway widening and wall construction	С	E	ı
75	2020	U-18	SCE	Power	-	-	12 kV OH	Along Edward St	Perpendicular	986+00	- 1	No	No Lump Sum	450	\$150,000	0	\$150,000	450	\$150,000	0	\$150,000	450	\$150,000	0	\$150,000	Relocate outside of conflicting area	Bridge reconstruction	А	D	ı
76	4640	U-18	Verizon	Cell	-	-	Buried Cable	West of Edward St crossing I-405	Perpendicular	986+00	- 1	No	No Lump Sum	125	0	\$30,000	\$30,000	125	0	\$30,000	\$30,000	125	0	\$30,000	\$30,000	Extend encasement to ROW	Highway widening and wall construction	В	D	J
77	1193	U-18	SCG	Gas	-	1	3"	West of Edward St crossing I-405	Perpendicular	986+00	- 1	No	Yes Lump Sum	125	\$15,000	\$15,000	\$30,000	125	\$15,000	\$15,000	\$30,000	125	\$15,000	\$15,000	\$30,000	To be abandoned	Highway widening and wall construction	A	D	н
78	1005	U-18	Verizon	Telephone	-	-	2" PVC	West of Edward St crossing I-405	Perpendicular	986+50	- 1	No	No Lump Sum	125	\$15,000	\$15,000	\$30,000	125	\$15,000	\$15,000	\$30,000	125	\$15,000	\$15,000	\$30,000	Extend encasement to ROW	Highway widening and wall construction	В	D	н
79	1454	U-18 W	/estminster	Sewer	-	-	6"	West of Edward St crossing I-405	Perpendicular	993+00	- N	'es	- Lump - Sum	80	\$40,000	0	\$40,000	80	\$40,000	0	\$40,000	80	\$40,000	0	\$40,000	Extend encasement to ROW	Highway widening and wall construction	С	E	ı
80	1091	U-18 W	/estminster	Water	-	-	8" AC	East of Westminster Blvd crossing I- 405	Perpendicular	998+00	- N	'es	- Lump Sum	35	\$60,000	0	\$60,000	35	\$60,000	0	\$60,000	35	\$60,000	0	\$60,000	Extend encasement to ROW	Highway widening and wall construction	С	E	ı
81	1092		lidway City Sanitation District	Sewer	-	-	8"	East of Westminster Blvd crossing I- 405	Perpendicular	1000+00	- 1	'es	- Lump Sum	55	\$40,000	0	\$40,000	55	\$40,000	0	\$40,000	55	\$40,000	0	\$40,000	Extend encasement to ROW	Highway widening	С	E	ı
82	1130		Midway City Sanitation District	Sewer	-	-	8"	East of Westminster Blvd crossing I- 405	Perpendicular	1000+00	- 1	'es	- Lump - Sum	55	\$40,000	0	\$40,000	55	\$40,000	0	\$40,000	55	\$40,000	0	\$40,000	Extend encasement to ROW	Highway widening	С	E	I
83	1093	U-18 W	/estminster	Water	-	•	12"	East of Westminster Blvd crossing I- 405	Perpendicular	1001+50	- \	'es	- Lump Sum	50	\$60,000	0	\$60,000	50	\$60,000	0	\$60,000	50	\$60,000	0	\$60,000	Extend encasement to ROW	Highway widening	С	E	I
84	1094	U-18	SCG	Gas	-	1	6"	East of Westminster Blvd crossing I- 405	Perpendicular	1002+00	- 1	'es	Lump Sum	50	\$60,000	0	\$60,000	50	\$60,000	0	\$60,000	50	\$60,000	0	\$60,000	Extend encasement to ROW	Highway widening	С	E	I
85	1202	U-18	SCG	Gas	٧	-	10"	East of Westminster Blvd crossing I- 405	Perpendicular	1002+00	- 1	No	Yes Lump Sum	50	\$15,000	\$15,000	\$30,000	50	\$15,000	\$15,000	\$30,000	50	\$15,000	\$15,000	\$30,000	Extend encasement to ROW	Highway widening	А	D	н

UTILITY U-44

12000001800 PROJECT NUMBER & PHASE

ORANGE COUNTY TRANSPORTATION AUTHORITY 550 SOUTH MAIN STREET ORANGE, CA 92863

USERNAME => p0026525 BORDER LAST REVISED 7/2/2010 DGN FILE => ALT 3 UTILITY PLAN Sheets.dgn

RELATIVE BORDER SCALE IS IN INCHES

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CALIFORNIA -	- DEPARTMENT OF TR	RANSPORTATION	CONSULTA	CONSULTANT FUNCTIONAL	1 .1	VISOR	SUPERVISOR CALCULATED- DESIGNED BY	>				REVISED BY		
frans						<u> </u>	CHECKED BY	→				DATE REVISED		
102	100	98	96	94	93	92	90	89	88	87	86		1.	No ⁻
													N	+

DIS+ COUNTY ROUTE TOTAL PROJECT No. SHEET TOTAL 12,7 Ora,LA 22,73, R0.5/R0.7,R0.7/R3.8 R27.2/R27.8,9.3/24.2 405,605 0.0/1.2,3.5/R1.6,R0.0/R1.2 tes: REGISTERED CIVIL ENGINEER DATE ROPESSION Line to be encased up to and 5' beyond approach slab. . Matrix Legend

A Construction by utility owner
B Construction shared by utility owner and OCTA
C Construction by OCTA
D Design by utility owner
E Design by OCTA
F Caltrans master Agreement
G Franchise, License, Permit
H 50-50 cost share
I 100% OCTA
J 100% utility owner PLANS APPROVAL DATE CIVIL THE STATE OF CALIFORNIA OR ITS OFFICERS OR AGENTS SHALL NOT BE RESPONSIBLE FOR THE ACCURACY OR COMPLETENESS OF SCANNED COPIES OF THIS PLAN SHEET, OF CAL IFORM PARSONS 2201 DUPONT DRIVE SUITE 200 IRVINE, CA 92612 ORANGE COUNTY TRANSPORTATION AUTHORITY 550 SOUTH MAIN STREET ORANGE, CA 92863

I-405 EIR/EIS - Utility Conflict Matrix

	Vo	ġ.								Station	Station	Util			A	ternative 1			Al	ternative 2			Al	ternative 3						Party
	Conflict	Otility C	Owner	Туре	Caltrans High Risk		Description	Location	Crossing	(Begin Station)	(End Esm Station)		Unit Cost	LF	State Share	Utility Owner Share	Total Cost	LF	State Share	Utility Owner Share	Total Cost	LF	State Share	Utility Owner Share	Total Cost	Disposition	Conflicting Facility	Physical Relocation Responsibility	Design Responsibility	Responsible for Relocation Cost
86	1087 L	J-19 WOC	:WB	Water	-	-	10"	East and under Westminster Blvd crossing I-405	Perpendicular	1010+50	- No	Yes	\$330	185	0	\$61,050	\$61,050	185	0	\$61,050	\$61,050	185	0	\$61,050	\$61,050	Protect with encasement	Highway widening and potential impact by ramp improvements	С	E	J
87	1088 l	J-19 Westm	inster	Water	-	-	10" Steel	East and under Westminster Blvd crossing I-405	Perpendicular	1010+50	- No	Yes	\$330	185	0	\$61,050	\$61,050	185	0	\$61,050	\$61,050	185	0	\$61,050	\$61,050	Protect with encasement	Highway widening and potential impact by ramp improvements	С	E	J
88	1089 U	J-19 Westm	inster	Water	-	,	10" Steel	East and under Westminster Blvd crossing I-405	Perpendicular	1010+50	- No	Yes	\$330	185	0	\$61,050	\$61,050	185	0	\$61,050	\$61,050	185	0	\$61,050	\$61,050	Protect with encasement	Highway widening and potential impact by ramp improvements	С	E	J
89	1459 l	J-19 Veriz	zon	Telephone	-	-	35"	In Westminster Blvd bridge crossing I-405	Perpendicular	1011+00	- No	Yes	Lump Sum	900	0	\$1,200,000	\$1,200,000	900	0	\$1,200,000	\$1,200,000	900	0	\$1,200,000	\$1,200,000	Relocate into new bridge	Bridge reconstruction	С	E	J
90	4643 L	J-19 SC	G	Gas	-	1	3" HP	In Westminster Blvd bridge crossing I-405	Perpendicular	1012+00	- No	Yes	\$440	900	0	\$396,000	\$396,000	900	0	\$396,000	\$396,000	900	0	\$396,000	\$396,000	Relocate into new bridge	Bridge reconstruction	С	E	J
91	1131 l	J-19 Sanita Distr	ation	Sewer	-	-	8"	In Springdale St bridge crossing I- 405	Perpendicular	1024+00	- No	No	\$440	1,075	0	\$473,000	\$473,000	1,075	0	\$473,000	\$473,000	1,075	0	\$473,000	\$473,000	Replace in kind into new bridge	Bridge reconstruction	С	E	J
92	2157 l	J-19 Westm	inster	Water	-	-	8"	West of Springdale crossing I-405	Perpendicular	1027+00	- No	No	\$330	500	0	\$165,000	\$165,000	500	0	\$165,000	\$165,000	500	0	\$165,000	\$165,000	Relocate outside of conflicting area	Highway widening and potential impact by ramp improvements	С	E	J
93	2011 l	J-21 SC	E	Power	1	-	12 kV OH	West of Springdale St north of and along NB I-405	Parallel	1030+00	1062+00 No	No	Lump Sum	3,200	\$1,050,000	0	\$1,050,000	3,200	\$1,050,000	0	\$1,050,000	3,200	\$1,050,000	0	\$1,050,000	Relocate outside of conflicting area	Highway widening	Α	D	ı
94	2012	J-21 SC	E	Power	7		13 kV OH	West of Springdale St north of and along NB I-405	Parallel	1035+00	1052+00 No	No	Lump Sum	1,700	\$500,000	0	\$500,000	1,700	\$500,000	0	\$500,000	1,700	\$500,000	0	\$500,000	Relocate outside of conflicting area	Highway widening	А	D	ı
95	1204 l	J-22 SC	G	Gas	7		16" HP WSP	South & along SR-22 east of the I-405	Parallel	1099+00	1197+00 Yes	-	Lump Sum	9,300	\$4,500,000	0	\$4,500,000	9,300	\$4,500,000	0	\$4,500,000	9,300	\$4,500,000	0	\$4,500,000	Relocate outside of conflicting area	Highway widening and potential impact by ramp improvements	А	D	ı
96	1119 (J-22 LBG	6O	Gas	7		14" HP WSP	South & along SR-22 east of the I- 405	Parallel	1099+00	1197+00 Yes	-	Lump Sum	9,300	\$4,500,000	0	\$4,500,000	9,300	\$4,500,000	0	\$4,500,000	9,300	\$4,500,000	0	\$4,500,000	Relocate outside of conflicting area	Highway widening and potential impact by ramp improvements	А	D	ı
97	4223 l	J-22 SC	Е	Power	٧	-	12 kV UG	South of SR-22 Conn	Perpendicular	1097+00	- No	No	Lump Sum	150	\$30,000	0	\$30,000	150	\$30,000	0	\$30,000	150	\$30,000	0	\$30,000	Extemd Emcase,emt	Highway widening	А	D	I
98	4225 l	J-22 SC	E	Power	1	-	12 kV UG	South of SR-22 Conn	Perpendicular	1097+50	- No	No	Lump Sum	150	\$30,000	0	\$30,000	150	\$30,000	0	\$30,000	150	\$30,000	0	\$30,000	Extemd Emcase,emt	Highway widening	A	D	ı
99	4036 U	J-22 Seal B	each	Water	-	,	12" WSP	Within Bolsa Chica channel on east side	Perpendicular	1098+00	- No	No	Lump Sum	150	\$60,000	0	\$60,000	150	\$60,000	0	\$60,000	150	\$60,000	0	\$60,000	Extemd Emcase,emt	Highway widening	А	D	ı
100	4015 L	J-22 SC	E	Power	-		12 kV OH	West of Bolsa Chica Rd, north of and along I-405	Parallel	1099+00	1180+00 Yes	Yes	Lump Sum					2,800	\$1,200,000	0	\$1,200,000	2,800	\$1,200,000	0	\$1,200,000	Relocate outside of conflicting area	Highway widening and potential impact by ramp improvements	А	D	I
101	4042 l	J-25 SCI	E	Power	1	-	12 kV UG	Across I-405	Perpendicular	1150+00	- No	Yes	\$440	275	\$60,500	\$60,500	\$121,000	275	\$60,500	\$60,500	\$121,000	275	\$60,500	\$60,500	\$121,000	Replace in kind	Highway widening	А	D	н
102	4043 U	J-25 SC	E	Power	-	-	12 kV OH	South of and along SB I-405	Parallel	1150+00	- Yes	-	\$330					40	\$13,200	0	\$13,200	40	\$13,200	0	\$13,200	Relocate outside of conflicting area	Highway widening	Α	D	I

UTILITY U-45

12000001800 PROJECT NUMBER & PHASE

USERNAME => p0026525 DGN FILE => ALT 3 UTILITY PLAN Sheets.dgn

RELATIVE BORDER SCALE IS IN INCHES

Notes: 1. Line to be encased up to and 5' beyond approach slab. 2. Matrix Legend

A Construction by utility owner

B Construction shared by utility owner and OCTA
C Construction by OCTA
D Design by utility owner
E Design by OCTA
F Caltrans master Agreement
G Franchise, License, Permit
H 50-50 cost share
I 100% OCTA 100% OCTA 100% utility owner REVISED DEPARTMENT OF TRANSPORTATION | CONSULTANT FUNCTIONAL

ROUTE POST MILES SHEET TOTAL NO. SHEETS 22,73, R0.5780.780.7783.8 R27.27827.8,9.3.724.2 405,605 0.0/1.2,3.5781.6,80.0/81.2 Dist COUNTY 2,7 Ora,LA

REGISTERED CIVIL ENGINEER DATE

PLANS APPROVAL DATE

THE STATE OF CALIFORNIA OR ITS OFFICERS OR AGENTS SHALL NOT BE RESPONSIBLE FOR THE ACCURACY OR COMPLETENESS OF SCANNED COPIES OF THIS PLAN SHEET, PARSONS 2201 DUPONT DRIVE

SUITE 200 IRVINE, CA 92612

ORANGE COUNTY TRANSPORTATION AUTHORITY 550 SOUTH MAIN STREET ORANGE, CA 92863

. CIVIL

I-405 EIR/EIS - Utility Conflict Matrix

	<u>o</u> o	<u> </u>														Alternative 1			Al	ternative 2			А	Iternative 3						Party
	Conflict N	Utility	/ Owner	Туре		Caltrans Low Risk	Description	Location	Crossing	Station (Begin Station)	Station (End Station)	Esmt	Util Within Unit Co	ost LF	State Sha	Utility Owner Share	Total Cost	LF	State Share	Utility Owner Share	Total Cost	LF	State Share	Utility Owner Share	Total Cost	Disposition	Conflicting Facility	Physical Relocation Responsibility	Design Responsibility	Responsible for Relocation Cost
103	4044 U-:	25 S	SCE	Power	1	-	12 kV UG	Perpindicular to south side of SB I- 405	Perpendicular	1150+00	-	Yes	- \$440)				60	\$26,400	0	\$26,400	60	\$26,400	0	\$26,400	Relocate outside of conflicting area	Highway widening	А	D	I
104	4041 U-:	25 S	SCE .	Power	-	-	12 kV OH	Aster Ave. north side of NB I-405	Perpendicular	1157+00	-	No	Yes Lum Sum		\$50,000	0	\$50,000	125	\$50,000	0	\$50,000	125	\$50,000	0	\$50,000	Relocate outside of conflicting area	Highway Widening	А	D	I
105	4050 U-	27 S	iCG	Gas	4	-	10" HP WSP in 16" Csg	East of Seal Beach Blvd crossing I- 405	Perpendicular	1187+00	-	No	Yes Lum Sum		\$15,000	\$15,000	\$30,000	65	\$15,000	\$15,000	\$30,000	65	\$15,000	\$15,000	\$30,000	Extend encasement to ROW	Highway widening and potential impact by ramp improvements	А	D	н
106	4051 U-:	27 Ve	rizon	Telephone	-	-	Cable in 18" Csg	East of Seal Beach Blvd crossing I- 405	Perpendicular	1187+00	-	Yes	- Lum - Sum		\$500,00	0	\$500,000	65	\$500,000	0	\$500,000	65	\$500,000	0	\$500,000	Extend encasement to ROW	Highway widening and potential impact by ramp improvements	В	D	ı
107	4052 U-:	27 Ve	rizon	Telephone	-	-	Cable in 30" Csg	East of Seal Beach Blvd crossing I- 405	Perpendicular	1187+00	-	Yes	- Lum - Sum		\$500,00	0	\$500,000	70	\$500,000	0	\$500,000	70	\$500,000	0	\$500,000	Extend encasement to ROW	Highway widening and potential impact by ramp improvements	В	D	ı
108	4060 U-:	27 Q1	west	Telephone	-	-	2" PVC	Along the west side of Seal Beach Blvd and crossing I-405	Perpendicular	1197+50	-	Yes	- Lum - Sum		\$60,000	0	\$60,000	75	\$60,000	0	\$60,000	75	\$60,000	0	\$60,000	Extend encasement to ROW	Highway widening and potential impact by ramp improvements	В	D	ı
109	1181 U-:	27 Seal	Beach	Water	-	-	12" AC	West of Seal Beach Blvd crossing I- 405	Perpendicular	1204+00	-	Yes	- Lum - Sum		\$60,000	0	\$60,000	60	\$60,000	0	\$60,000	60	\$60,000	0	\$60,000	Extend encasement to ROW	Highway widening	С	E	I
110	2098 U-	27 S	iCG	Gas	1	-	34" WSP	Along the north side of Lampson Ave on the north side of I-405	Perpendicular	1208+00	-	No	Yes Lum Sum	p 60	\$15,000	\$15,000	\$30,000	60	\$15,000	\$15,000	\$30,000	60	\$15,000	\$15,000	\$30,000	Extend encasement to ROW	Highway widening	А	D	н
111	4068 U-	27 S	SCE	Power	-	-	12 kV OH	Along I-405	Parallel	1209+50	1213+00	Yes	- Lum Sum		\$50,000	0	\$50,000	265	\$50,000	0	\$50,000	265	\$50,000	0	\$50,000	Relocate outside of conflicting area	Wall construction	А	D	I
112	4277 U-:	27 Ve	rizon	Communication	n -	-	Fiber Optic	Along I-405	Parallel	1209+50	1213+00	Yes	- \$440	300	\$132,00	0	\$132,000	300	\$132,000	0	\$132,000	300	\$132,000	0	\$132,000	Relocate outside of conflicting area	Wall construction	А	D	ı
113	2097 U-:	27 Seal	Beach	Sewer	-	-	8" VCP in 16" Csg	West of Seal Beach crossing I-405	Perpendicular	1210+00	-	Yes	- \$330	320	\$105,60	0	\$105,600	320	\$105,600	0	\$105,600	320	\$105,600	0	\$105,600	Relocate outside of conflicting area	Highway widening and potential impact by ramp improvements and	А	D	ı
114	4278 U-:	27 Ve	rizon	Communication	n -	-	Fiber Optic	North of I-405	Perpendicular	1212+00	-	Yes	- \$440) 105	\$46,20	0	\$46,200	105	\$46,200	0	\$46,200	105	\$46,200	0	\$46,200	Relocate outside of conflicting area	Wall construction	А	D	ı
115	2001 U-	27 S	SCE	Power	-	-	12 kV OH	Along Old Ranch Road on-ramp west of Seal Beach Blvd. and across I-405	Perpendicular	1212+50	-	No	No Lum Sum		\$62,50	\$62,500	\$125,000	400	\$62,500	\$62,500	\$125,000	400	\$62,500	\$62,500	\$125,000	Relocate outside of conflicting area	Highway widening and potential impact by ramp improvements and	А	D	н

\$24,206,650 \$13,556,600 \$37,763,250 \$24,206,650 \$13,586,600 \$37,793,250

UTILITY U-46

USERNAME => p0026525 DGN FILE => ALT 3 UTILITY PLAN Sheets.dgn

PROJECT NUMBER & PHASE

12000001800

BORDER LAST REVISED 7/2/2010

STATE OF CALIFORNIA Et altars

RELATIVE BORDER SCALE IS IN INCHES

K3: Utility Protect in Place Matrix

IA - DEPARTMENT OF TRANSPORTATION CONSULTANT FUNCTIONAL SUPERVISOR DESIGNED BY REVISED BY CHECKED B	×	×	×		×
CHECKED BY	DEPARTMENT OF TRANSPORTATI	CONSULTANT FUNCTIONAL SUPERVISOR	CALCULATED	REVISED BY	
CHECKED BY			DESIGNED BY		
	altans.		CHECKED BY	DATE REVISED	

I-405 EIR/EIS - Pi	rotect in Place	Utility Report
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	Conflict No.	eet No.	Utility Owner	Туре	Caltrans	Caltrans	Description	Location	Crossing	Station (Begin	Station (End	Disposition
	Confl	U-Sheet		,	High Risk	Low Risk	•			Station)	Station)	
1	1400	U-1A	Costa Mesa	Water	-	-	36"	East of Bristol crossing I-405	Perpendicular	501+50	-	Protect in place
2	1398	U-1A	Verizon	Telephone	-	-	4-4" duct	West of Bristol crossing I-405	Perpendicular	503+50	-	Protect in place
3	1110	U-2A	Costa Mesa	Sewer		•	10"	West of Bristol crossing I-405	Perpendicular	510+50	-	Protect in place
4	1109	U-2A	OCSD	Sewer	-	-	8"	East of Bear St Bridge crossing I-405	Perpendicular	521+50	-	Protect in place
5	1392	U-2A	Costa Mesa	Water	-	1	16"	West of Bear St crossing I-405	Perpendicular	523+00	-	Protect in place
6	1393	U-2A	Costa Mesa	Water	-	-	24"	In Bear St Bridge crossing I-405	Perpendicular	523+00	-	Protect in place
7	1394	U-2A	Costa Mesa	Sewer	-	ı	15"	In Bear St Bridge crossing I-405	Perpendicular	523+00	-	Protect in place
8	1128	U-2A	Mesa Consolidated Water	Water	-	ï	24"	West of Bear St crossing I-405	Perpendicular	523+50	-	Protect in place
9	2051	U-4A	SCE	Power	-	-	12 kV UG	South of I-405 crossing SR-73	Parallel	537+50	545+50	Protect in place
10	1112	U-4A	OCSD	Sewer	-	-	15"	West of SR-73 interchange crossing I-405	Perpendicular	549+00	-	Protect in place
11	1127	U-5A	Mesa Consolidated Water	Water	-	-	12"	East of Fairview Rd crossing I-405	Perpendicular	569+00	-	Protect in place
12	1375	U-5A	Verizon	Verizon	-	-	4-4" duct	In Fairview Rd bridge crossing I-405	Perpendicular	569+00	-	Protect in place
13	1374	U-5A	Verizon	Verizon	-	-	4-4" duct	In Fairview Rd bridge crossing I-405	Perpendicular	570+00	-	Protect in place
14	1113	U-5A	OCSD	Sewer	-	-	12"	West of Fairview Rd crossing I-405	Perpendicular	571+00	-	Protect in place
15	2052	U-5A	SCE	Power	٧	-	12 kV UG	West of Fairview Rd crossing I-405	Perpendicular	571+50	-	Protect in place
16	2053	U-5A	SCE	Power	٧	-	12 kV UG	West of Fairview Rd crossing I-405	Perpendicular	571+50	-	Protect in place
17	2055	U-5A	SCE	Power	-	-	12 kV UG	West of Fairview Rd crossing I-405	Perpendicular	584+00	-	Protect in place
18	2056	U-5A	SCE	Power	-	-	12 kV UG	West of Fairview Rd crossing I-405	Perpendicular	584+00	-	Protect in place
19	2057	U-5A	SCE	Power	-	-	12 kV UG	West of Fairview Rd crossing I-405	Perpendicular	584+00	-	Protect in place
20	1365	U-5A	Fountain Valley	Water	-	-	12"	West of Fairview Rd crossing I-405	Perpendicular	587+00	-	Protect in place
21	1364	U-6A	Fountain Valley	Sewer	-	-	12"	West of Fairview Rd crossing I-405	Perpendicular	592+50	-	Protect in place

Dist COUNTY ROUTE POST MILES SHEET TOTAL TOTAL PROJECT No. SHEETS

12,7 Ora,LA 22,73, R0.5/R0.7/R0.3/R0.8
405,605 0.0/1.2,3.5/R1.6,R0.0/R1.2 REGISTERED CIVIL ENGINEER DATE PROFESSION PLANS APPROVAL DATE EXP. CIVIL THE STATE OF CALIFORNIA OR ITS OFFICERS OR ACENTS SHALL NOT BE RESPONSIBLE FOR THE ACCURACY OR COMPLETENESS OF SCANNED COPIES OF THIS PLAN SHEET. PARSONS 2201 DUPONT DRIVE SUITE 200 IRVINE, CA 92612 ORANGE COUNTY TRANSPORTATION AUTHORITY 550 SOUTH MAIN STREET ORANGE, CA 92863

UTILITY U-47

BORDER LAST REVISED 7/2/2010

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RELATIVE BORDER SCALE IS IN INCHES

UNIT 2994

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	Conflict No.	U-Sheet No.	Utility Owner	Туре	Caltrans High Risk	Caltrans Low Risk	Description	Location	Crossing	Station (Begin Station)	Station (End Station)	Disposition
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22	1114	U-6A	Costa Mesa	Sewer	-	-	12"	East of Harbor blvd crossing I-405	Perpendicular	593+00	-	Protect in place
23	1362	U-6A	Fountain Valley	Sewer	-	-	12"	East of Harbor Blvd crossing I-405	Perpendicular	593+00	-	Protect in place
24	1126	U-6A	Mesa Consolidated Water	Water	-	-	12"	East of Harbor Blvd crossing I-405	Perpendicular	595+50	-	Protect in place
25	1124	U-6A	Mesa Consolidated Water	Water	-	-	24"	Along Harbor Blvd crossing I-405	Perpendicular	606+00	-	Protect in place
26	4701	U-6A	Verizon	Telephone	-	-	4-4" duct	Along Harbor Blvd crossing I-405	Perpendicular	606+00	-	Protect in place
27	1198	U-6A	SCG	Gas	٧	-	8" WSP	Along Harbor Blvd crossing I-405	Perpendicular	606+00	-	Protect in place
28	2062	U-6A	SCE	Power	٧	-	12 kV UG	Along Harbor Blvd crossing I-405	Perpendicular	606+00	-	Protect in place
29	2063	U-6A	SCE	Power	٧	,	12 kV UG	Along Harbor Blvd crossing I-405	Perpendicular	606+00	-	Protect in place
30	2064	U-6A	SCE	Power	٧	1	12 kV UG	Along Harbor Blvd crossing I-405	Perpendicular	606+00	-	Protect in place
31	1125	U-6A	Mesa Consolidated Water	Water	-	1	12"	Along Harbor Blvd crossing I-405	Perpendicular	606+50	-	Protect in place
32	1209	U-6A	Westminster	Water		•	10" ACP	Along Harbor Blvd crossing I-405	Perpendicular	606+50	-	Protect in place
33	1212	U-6A	TWC	CATV	-	-	Buried Cable	In Harbor Blvd underneath and across I-405	Perpendicular	606+50	-	Protect in place
34	1213	U-6A	TWC	CATV	-	-	Buried Cable	In Harbor Blvd underneath and across I-405	Perpendicular	606+50	-	Protect in place
35	1348	U-6A	SCE	Power	1	-	12 kV UG	West of Harbor crossing I-405	Perpendicular	608+50	-	Protect in place
36	1115	U-2	CMSD	Sewer	-	-	60" RCP	East of Santa Ana River crossing I- 405	Perpendicular	651+00	-	Protect in place
37	2066	U-2	SCE	Power	-	-	66 kV OH	East of Euclid St. crossing I-405	Perpendicular	654+50	-	Protect in place
38	2065	U-2	SCE	Power	=	ï	66 kV OH	East of Santa Ana River crossing I- 405	Perpendicular	655+00	-	Protect in place
39	2067	U-2	SCE	Power	-	-	66 kV OH	East of Euclid St. crossing I-405	Perpendicular	655+00	-	Protect in place
40	2068	U-2	SCE	Power	-	-	66kV OH	East of Euclid St. crossing I-405	Perpendicular	655+00	-	Protect in place
41	2069	U-2	SCE	Power	-	-	66 kV OH	East of Euclid St. crossing I-405	Perpendicular	655+00	-	Protect in place
42	2070	U-2	SCE	Power	-	-	66 kV OH	East of Euclid St. crossing I-405	Perpendicular	655+00	-	Protect in place
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Dist COUNTY ROUTE POST MILES NEET TOTAL TOTAL PROJECT No. SHEETS

12,7 Ora,LA 22,73, R0.5/R0.7/R0.3/R3.8 R21.2/R21.8,3.3/24.2 405,605 0.0/1.2,3.5/R1.6,R0.0/R1.2 REGISTERED CIVIL ENGINEER DATE PROFESSION PLANS APPROVAL DATE EXP. CIVIL THE STATE OF CALIFORNIA OR ITS OFFICERS OR ACENTS SHALL NOT BE RESPONSIBLE FOR THE ACCURACY OR COMPLETENESS OF SCANNED COPIES OF THIS PLAN SHEET. PARSONS 2201 DUPONT DRIVE SUITE 200 IRVINE, CA 92612 ORANGE COUNTY TRANSPORTATION AUTHORITY 550 SOUTH MAIN STREET ORANGE, CA 92863

UTILITY U-48

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OF CALIFORNIA - DEPARTMENT OF TRANSPORTATION	CONSULTANT FUNCTIONAL SUPERVISOR	CALCULATED- DESIGNED BY	REVISED BY	
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	Conflict No.	U-Sheet No.	Utility Owner	Туре	Caltrans High Risk	Caltrans Low Risk	Description	Location	Crossing	Station (Begin Station)	Station (End Station)	Disposition
43	4407	U-2	OCSD	Sewer	-	-	84" RCP	East of Euclid St in Santa Ana River crossing I-405	Perpendicular	657+50	-	Protect in place
44	4704	U-2	Army Corps of Engineers	Water	-	-	12" DIP	East of Euclid St crossing I-405	Perpendicular	658+00	-	Protect in place
45	1217	U-2	OCWD	Water	-	•	78" CMC Steel	East of Euclid St crossing I-405	Perpendicular	658+50	-	Protect in place
46	4703	U-2	OCWD	Communicatio n	-	1	6-5" Fiber Optic	East of Euclid St crossing I-405	Perpendicular	658+50	-	Protect in place
47	1171	U-2	OCSD	Sewer	-	-	84" RCP	East of Euclid St crossing I-405	Perpendicular	659+00	-	Protect in place
48	1172	U-2	OCSD	Sewer	-	-	51" RCP encased	East of Euclid St crossing I-405	Perpendicular	659+00	-	Protect in place
49	4650	U-2	OCSD	Sewer	-	•	54" RCP	In Euclid St crossing I-405	Perpendicular	659+50	-	Protect in place
50	1117	U-2	Costa Mesa	Sewer	-	-	72"	West of Santa Ana River crossing I- 405	Perpendicular	663+00	-	Protect in place
51	2071	U-2	SCE	Power	-	-	66 kV OH	Between Santa Ana River and Euclid St crossing I-405	Perpendicular	664+50	-	Protect in place
52	2072	U-2	SCE	Power	-	1	12 kV OH	Between Santa Ana River and Euclid St crossing I-405	Perpendicular	664+50	-	Protect in place
53	2073	U-2	SCE	Power	-	ı	12 kV OH	Between Santa Ana River and Euclid St crossing I-405	Perpendicular	664+50	-	Protect in place
54	4657	U-2	Fountain Valley	Water	-	ı	16"	West of Euclid St crossing I-405	Perpendicular	665+50	-	Protect in place
55	1027	U-2	Fountain Valley	Sewer	-	1	18"	West of Euclid St crossing I-405	Perpendicular	665+50	-	Protect in place
56	1333	U-2	Fountain Valley	Water	-	1	12"	West of Euclid St crossing I-405	Perpendicular	670+00	-	Protect in place
57	1018	U-4	Fountain Valley	Water	-	-	16"	East of Ward St crossing I-405	Perpendicular	694+00	-	Protect in place
58	1019	U-4	Fountain Valley	Water	-	-	12"	East of Ward St crossing I-405	Perpendicular	694+00	-	Protect in place
59	1329	U-4	Fountain Valley	Water	-	-	12"	East of Ward St	Perpendicular	694+00	-	Protect in place
60	1026	U-4	Fountain Valley	Sewer	-	-	15"	West of Ward St	Perpendicular	696+00	-	Protect in place
61	1216	U-4	OCWD	Water	-	-	36"	Under Ward St Bridge crossing I-405	Perpendicular	695+00	-	Protect in place
62	1326	U-4	Fountain Valley	Sewer	-	,	8"	West of Ward St	Perpendicular	696+00	-	Protect in place
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Dist COUNTY ROUTE POST MILES SHEET TOTAL TOTAL PROJECT No. SHEETS

12,7 Ora,LA 22,73, R0.5/R0.7/R0.3/R0.8
405,605 0.0/1.2,3.5/R1.6,R0.0/R1.2 REGISTERED CIVIL ENGINEER DATE PROFESSION PLANS APPROVAL DATE STE OF CALIFORN THE STATE OF CALIFORNIA OR ITS OFFICERS OR ACENTS SHALL NOT BE RESPONSIBLE FOR THE ACCURACY OR COMPLETENESS OF SCANNED COPIES OF THIS PLAN SHEET. PARSONS 2201 DUPONT DRIVE SUITE 200 IRVINE, CA 92612 ORANGE COUNTY TRANSPORTATION AUTHORITY 550 SOUTH MAIN STREET ORANGE, CA 92863

UTILITY U-49

USERNAME =>p0038175 DGN FILE => ALT 3 UTILITY PLAN Sheets.dgn BORDER LAST REVISED 7/2/2010

RELATIVE BORDER SCALE IS IN INCHES

UNIT 2994

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I-405 EIR/EIS	- Protect in Place Util	ity Report

	Conflict No.	U-Sheet No.	Utility Owner	Туре	Caltrans High Risk	Caltrans Low Risk	Description	Location	Crossing	Station (Begin Station)	Station (End Station)	Disposition
63	1017	U-5	Fountain Valley	Water	-	-	8"	North of I-405 crossing Talbert Ave	Perpendicular	705+00	-	Protect in place
64	1025	U-5	Fountain Valley	Sewer	-	•	12"	West of Talbert Ave crossing I-405	Perpendicular	712+00	-	Protect in place
65	1024	U-7	Fountain Valley	Sewer	-	•	18"	West of Slater Ave crossing I-405	Perpendicular	748+00	-	Protect in place
66	4405	U-7	OCSD	Sewer	-	-	48" RCP	East of Bushard St crossing I-405	Perpendicular	765+00	-	Protect in place
67	1013	U-7	Fountain Valley	Water	-	-	12"	West of Bushard St crossing I-405	Perpendicular	767+50	-	Protect in place
68	2079	U-7	SCE	Power	-	ı	12 kV OH	West of Bushard St crossing I-405	Perpendicular	768+00	-	Protect in place
69	2060	U-11	SCE	Power	4	ı	220 kV OH	East Of Newland crossing I-405	Perpendicular	830+00	-	Protect in place
70	2061	U-11	SCE	Power	7	1	220 kV OH	East Of Newland crossing I-405	Perpendicular	830+00	-	Protect in place
71	2059	U-11	SCE	Power	4	ı	12 kV OH	East Of Newland crossing I-405	Parallel	830+00	837+00	Protect in place
72	2049	U-11	SCE	Power	4	ı	220 kV OH	East Of Newland crossing I-405	Perpendicular	831+50	-	Protect in place
73	2050	U-11	SCE	Power	4	ı	220 kV OH	East Of Newland crossing I-405	Perpendicular	831+50	-	Protect in place
74	2048	U-11	SCE	Power	7	-	12 kV UG	South of and along SB I-405	Parallel	831+50	838+00	Protect in place
75	1249	U-11	OCSD	Sewer	-	1	96" RCP	East Of Newland crossing I-405	Perpendicular	839+00	-	Protect in place
76	1107	U-11	Westminster	Water			8"	West of Newland St bridge crossing I- 405	Perpendicular	841+50	-	Protect in place
77	1241	U-12	Westminster	Water	-	-	12"	West of Edinger crossing I-405	Perpendicular	861+00	-	Protect in place
78	1111	U-12	Westminster	Water	-	-	12" CMC/CML	North of Edinger crossing I-405	Perpendicular	866+00	-	Protect in place
79	1234	U-12	Verizon	Telephone	-	-	4-4" duct	In Beach Blvd crossing I-405	Perpendicular	873+00	-	Protect in place
80	2037	U-12	SCE	Power	-	-	12 kV UG	In Beach Blvd crossing I-405	Perpendicular	873+50	-	Protect in place
81	2038	U-12	SCE	Power	-	-	12 kV UG	In Beach Blvd crossing I-405	Perpendicular	873+50	-	Protect in place
82	2039	U-12	SCE	Power			12 kV UG	In Beach Blvd crossing I-405	Perpendicular	873+50	-	Protect in place

Dist COUNTY ROUTE POST MILES NEET TOTAL TOTAL PROJECT No. SHEETS

12,7 Ora,LA 22,73, R0.5/R0.7/R0.3/R3.8 R21.2/R21.8,3.3/24.2 405,605 0.0/1.2,3.5/R1.6,R0.0/R1.2 REGISTERED CIVIL ENGINEER DATE PROFESSION PLANS APPROVAL DATE EXP. CIVIL THE STATE OF CALIFORNIA OR ITS OFFICERS OR ACENTS SHALL NOT BE RESPONSIBLE FOR THE ACCURACY OR COMPLETENESS OF SCANNED COPIES OF THIS PLAN SHEET. PARSONS 2201 DUPONT DRIVE SUITE 200 IRVINE, CA 92612 ORANGE COUNTY TRANSPORTATION AUTHORITY 550 SOUTH MAIN STREET ORANGE, CA 92863

UTILITY U-50

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OF CALIFORNIA - DEPARTMENT OF TRANSPORTATION	CONSULTANT FUNCTIONAL SUPERVISOR	CALCULATED- DESIGNED BY	REVISED BY	
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	Conflict No.	U-Sheet No.	Utility Owner	Туре	Caltrans High Risk	Caltrans Low Risk	Description	Location	Crossing	Station (Begin Station)	Station (End Station)	Disposition
83	1233	U-12	Verizon	Telephone	-		4-4" duct	In Beach Blvd crossing I-405	Perpendicular	875+00	-	Protect in place
84	2035	U-12	SCE	Power	-		12 kV UG	West of Beach Blvd crossing I-405	Perpendicular	876+00	-	Protect in place
85	5008	U-12	SCE	Power	٧		220 kV OH	North of Edinger crossing I-405	Perpendicular	878+00	-	Protect in place
86	5009	U-12	SCE	Power	4		220 kV OH	North of Edinger crossing I-405	Perpendicular	879+00	-	Protect in place
87	1199	U-14	SCG	Gas	-	7	2"	West of McFadden Ave along I-405 north	Parallel	897+00	901+00	Protect in place
88	1103	U-14	Westminster	Water	-	-	8"	West of McFadden Ave crossing I- 405	Perpendicular	901+00	-	Protect in place
89	1104	U-14	Westminster	Sewer	-	-	18" VCP	West of McFadden Ave crossing I- 405	Perpendicular	901+00	-	Protect in place
90	1105	U-14	Westminster	Water	-	-	10" AC	West of McFadden Ave crossing I- 405	Perpendicular	901+00	-	Protect in place
91	4605	U-15	SCE	Power	4	-	12 kV OH	West of McFadden Ave and north of and along I-405	Parallel	903+00	917+00	Protect in place
92	4403	U-15	OCSD	Sewer	-	-	69" RCP	East of Hoover St Trail/ UPRR crossing I-405	Perpendicular	909+50	-	Protect in place
93	2031	U-15	SCE	Power	1	-	220 kV OH	West of McFadden Ave crossing I- 405	Perpendicular	913+00	-	Protect in place
94	5003	U-15	SCE	Power	1	-	220 kV OH	West of McFadden Ave crossing I- 406	Perpendicular	914+00	-	Protect in place
95	4608	U-15	SCE	Power	1	-	12 kV OH	West of Hoover St Trail and north of and along I-405	Parallel	921+00	934+00	Protect in place
96	4325	U-15	SCE	Power	1	-	12 kV UG	West of Hoover St Trail and north of and along I-405	Parallel	924+00	926+00	Protect in place
97	4327	U-15	SCE	Power	1	-	12 kV OH	West of Hoover St Trail and north of and along I-405	Parallel	924+00	934+00	Protect in place
98	4609	U-15	SCE	Power	1	-	12 kV OH	West of Hoover St Trail and north of and along I-405	Parallel	924+00	934+00	Protect in place
99	1422	U-16	Verizon	Communicatio n	-		4-4" duct	East of Bolsa Ave crossing I-405	Longitudinal Encroachmen t	929+50	941+50	Protect in place
100	4332	U-16	SCE	Power	٧		12 kV OH	Along Goldenwest St	Offset	940+00	943+00	Protect in place
01	4329	U-16	SCE	Power	-	-	12 kV UG	On Goldenwest St	Offset	943+00	-	Protect in place
02	4331	U-16	SCE	Power	٧	-	12 kV OH	Along Bolsa Ave	Offset	943+00	947+00	Protect in place
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Dist COUNTY ROUTE POST MILES NEET TOTAL TOTAL PROJECT No. SHEETS

12,7 Ora,LA 22,73, R0.5/R0.7/R0.3/R3.8 R21.2/R21.8,9.3/24.2 0.0/1.2,3.5/R1.6,R0.0/R1.2 REGISTERED CIVIL ENGINEER DATE PROFESSION PLANS APPROVAL DATE EXP. CIVIL THE STATE OF CALIFORNIA OR ITS OFFICERS OR ACENTS SHALL NOT BE RESPONSIBLE FOR THE ACCURACY OR COMPLETENESS OF SCANNED COPIES OF THIS PLAN SHEET. PARSONS 2201 DUPONT DRIVE SUITE 200 IRVINE, CA 92612 ORANGE COUNTY TRANSPORTATION AUTHORITY 550 SOUTH MAIN STREET ORANGE, CA 92863

UTILITY U-51

USERNAME =>p0038175 DGN FILE => ALT 3 UTILITY PLAN Sheets.dgn BORDER LAST REVISED 7/2/2010

RELATIVE BORDER SCALE IS IN INCHES

UNIT 2994

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I-405 EIR/EIS - Protect in Place Utility Report

	Conflict No.	U-Sheet No.	Utility Owner	Туре	Caltrans High Risk	Caltrans Low Risk	Description	Location	Crossing	Station (Begin Station)	Station (End Station)	Disposition
103	1010	U-16	Chevron	Oil	7		3	East of Goldenwest St crossing I-405	Perpendicular	946+50	-	Protect in place
104	1006	U-16	Chevron	Oil	4	-	6"	West of Goldenwest St crossing I- 405	Perpendicular	951+00	-	Protect in place
105	4617	U-17	SCE	Power	-	-	12 kV OH	Along I-405	Parallel	954+00	964+00	Protect in place
106	1100	U-17	Westminster	Water			10" AC	East of Edward east of I-405	Perpendicular	970+50	-	Protect in place
107	4639	U-17	Westminster	Water	ı		12" DIP	East of Edward St crossing I-405	Perpendicular	970+50	-	Protect in place
108	4402	U-17	OCSD	Sewer	-	ı	66" RCP	East of Edward St crossing I-405	Perpendicular	971+00	-	Protect in place
109	1098	U-18	Westminster	Sewer			60"	West of Edward St crossing I-405	Perpendicular	986+00	-	Protect in place
110	1192	U-18	OCSD	Sewer	-	-	60" RCP	West of Edward St crossing I-405	Perpendicular	986+00	-	Protect in place
111	1121	U-15	Verizon	Cell	-	-	Buried Cable	Warner Ave crossing I-405	Longitudinal Encroachmen t	986+50	-	Protect in place
112	2019	U-18	SCE	Power	4	-	12 kV OH	On Willow Ln Along I-405	Parallel	998+00	1003+00	Protect in place
113	4400	U-19	OCSD	Sewer	-	-	48" RCP encased	West of Westminster Blvd crossing I- 405	Perpendicular	1013+50	-	Protect in place
114	4337	U-19	SCE	Power	4	-	12 kV UG	West of Springdale along south of I- 405	Parallel	1022+00	1027+00	Protect in place
115	2014	U-19	SCE	Power			12 kV OH	West of Springdale crossing I-405	Perpendicular	1027+00	-	Protect in place
116	1001	U-19	Verizon	Telephone			4" PVC	West of Springdale crossing I-405	Perpendicular	1027+50	-	Protect in place
117	1002	U-19	Verizon	Telephone			2" PVC	West of Springdale crossing I-405	Perpendicular	1027+50	-	Protect in place
118	1003	U-19	Verizon	Telephone	-	-	Buried Cable	West of Springdale crossing I-405	Perpendicular	1027+50	-	Protect in place
119	2154	U-19	Verizon	Telecom	-	-	4-4" duct	West of Springdale crossing I-405	Perpendicular	1027+50	-	Protect in place
120	2155	U-19	Verizon	Telephone	-	-	4-4" duct	West of Springdale crossing I-405	Perpendicular	1027+50	-	Protect in place
121	2156	U-19	SCE	Power	4	-	12 kV OH	West of Springdale crossing I-405	Perpendicular	1027+50	-	Protect in place
122	1004	U-19	Verizon	Telephone	-	-	Buried Cable	West of Springdale crossing I-405	Perpendicular	1028+00	-	Protect in place

Dist COUNTY ROUTE POST MILES SHEET TOTAL TOTAL PROJECT No. SHEETS

12,7 Ora,LA 22,73, R0.5/R0.7/R0.3/R0.8
405,605 0.0/1.2,3.5/R1.6,R0.0/R1.2 REGISTERED CIVIL ENGINEER DATE PROFESSION PLANS APPROVAL DATE EXP.

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OF CALIFORNIA THE STATE OF CALIFORNIA OR ITS OFFICERS OR AGENTS SHALL NOT BE RESPONSIBLE FOR THE ACCURACY OR COMPLETENESS OF SCANNED COPIES OF THIS PLAN SHEET, PARSONS 2201 DUPONT DRIVE SUITE 200 IRVINE, CA 92612 ORANGE COUNTY TRANSPORTATION AUTHORITY 550 SOUTH MAIN STREET ORANGE, CA 92863

UTILITY U-52

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	Conflict No.	U-Sheet No.	Utility Owner	Туре	Caltrans High Risk	Caltrans Low Risk	Description	Location	Crossing	Station (Begin Station)	Station (End Station)	Disposition
123	1084	U-19	Westminster	Water		-	10" AC	West of Springdale crossing I-405	Perpendicular	1028+00	-	Protect in place
124	2013	U-19	SCE	Power	1	-	12kV OH	West of Springdale St crossing I-405	Perpendicular	1029+00	-	Protect in place
125	1132	U-20	Midway City Sanitation District	Sewer	-	-	10"	Between Springdale St and Bolsa Chica Rd crossing I-405	Perpendicular	1040+50	-	Protect in place
126	2141	U-21	Westminster	Sewer	-	1	10"	Between Springdale St and Bolsa Chica Rd crossing I-405	Perpendicular	1055+00	,	Protect in place
127	1203	U-21	SCG	Gas	-	1	5"	South of and along SB I-405	Parallel	1060+00	-	Protect in place
128	4003	U-37	SCG	Gas	-	1	3" LP GSP	South & along SR-22 east of the I-	Parallel	1060+00	-	Protect in place
129	4000	U-37	SCE	Power	-	-	12 kV OH	South & along SR-22 east of the I-	Parallel	1060+00	-	Protect in place
130	4001	U-37	Verizon	Telephone	-	-	Buried Cable	South along north side of Garden Grove Blvd.	Perpendicular	1060+00	-	Protect in place
131	4002	U-37	SCE	Power	-	-	12 kV OH	South along north side of Garden Grove Blvd.	Perpendicular	1060+00	-	Protect in place
132	4004	U-37	Westminster	Sewer	-	-	20" VCP (Aband)	South & along SR-22 east of the I-	Perpendicular	1060+00	-	Protect in place
133	4005	U-37	Westminster	Sewer	-	-	6" CIP FM	South & along SR-22 east of the I-	Perpendicular	1060+00	-	Protect in place
134	4006	U-37	Garden Grove	Sewer	-	-	12" CIP FM	North of SR-22 along channel	Perpendicular	1060+00	-	Protect in place
135	4007	U-21	SCE	Power	-	-	12 kV OH	Along the south side of Garden Grove Blvd. approaching the Garden Grove Blvd/SR-22 EB on & off ramps intersection	Perpendicular	1060+00	-	Protect in place
136	4009	U-37	Westminster	Water	-	-	8" ACP	South & across Garden Grove Blvd east of the Garden Grove Blvd/SR-22 EB on & off ramps intersection	Perpendicular	1078+00	-	Protect in place
137	4010	U-37	SCE	Power	1	-	12 kV UG	South & along SR-22 to private property east of the I-405	Perpendicular	1060+00	-	Protect in place
138	4011	U-37	SCE	Power	-	•	12 kV OH	Across SR-22 between Garden Grove Blvd. & the Valley View WB off- ramp	Perpendicular	1060+00	-	Protect in place
139	4012	U-37	Westminster	Water	-	•	8" ACP	South of SR-22 going from Garden Grove Blvd water line to private property east of the I-405	Perpendicular	1060+00	-	Protect in place
140	4014	U-37	SCE	Power	-	-	12 kV OH	Along the WB SR-22 off ramp to Valley View	Perpendicular	1060+00	-	Protect in place
141	4019	U-22	SCE	Power	٧	-	12 kV OH	Along Bolsa Chica Rd	Perpendicular	1085+00	-	Protect in place
142	4017	U-22	Westminster	Water	-	•	12" AC	East of Bolsa Chica Rd crossing I- 405	Perpendicular	1081+00	-	Protect in place
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PLANS APPROVAL DATE

THE STATE OF CALIFORNIA OR ITS OFFICERS OF AGENTS AFAIL NOT BE RESPONSIBLE FOR THE ACCUMACY OR COMPLETENESS OF SCANNED

PARSONS

2201 DUPONT DRIVE
SUITE 200

IRVINE, CA 92612

TOTAL PROJECT NO. MILES SHEET NO. SHEET NO. SHEETS NO. JRI. SHEETS NO. JR

UTILITY U-53

USERNAME =>p0038175 DGN FILE => ALT 3 UTILITY PLAN Sheets.dgn RELATIVE BORDER SCALE IS IN INCHES 0 1 2

UNIT 2994

PROJECT NUMBER & PHASE

12000001800

ST REVISION DATE PLOTTED => 11/8 \rightarrow 10-00-00 TIME PLOTTED => 6:08

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OF CALIFORNIA - DEPARTMENT OF TRANSPORTATION	DEPARTMENT OF TRANSPORTATION CONSULTANT FUNCTIONAL SUPERVISOR CALCULATED	CALCULATED	REVISED BY	
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I-405 EIR/EIS - Protect in Place Utility Repor		_			_
	I-405 FIR/FIS -	Protect	in Place	Utility	Report

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	Conflict No.	U-Sheet No.	Utility Owner	Туре	Caltrans High Risk	Caltrans Low Risk	Description	Location	Crossing	Station (Begin Station)	Station (End Station)	Disposition
143	4016	U-22	SCE	Power	-	-	12 kV OH	Along north of SR-22 east of the I- 405	Parallel	1075+00	1098+00	Protect in place
144	4018	U-22	SCE	Power	٧	1	12 kV UG	Conduit in Valley View St. bridge	Perpendicular	1085+00	-	Protect in place
145	2131	U-22	OCSD	Sewer	-	-	20" VCP (Aband)	-	Perpendicular	1089+50	-	No Action
146	4227	U-22	SCE	Power		•	OH Cable	Along the south of the W22-N405 Connector west of the OCFCD R-O-W	Parallel	1097+00	1128+00	Protect in place
147	4033	U-22	Seal Beach	Water	ı	ı	12" ACP	Along the west side of Old Bolsa Chica Rd.	Perpendicular	1097+50	-	Protect in place
148	4035	U-22	SCG	Gas	ı	7	4" WSP	Along the west side of Old Bolsa Chica Rd.	Perpendicular	1097+50	-	Protect in place
149	4037	U-26	XO Comm	CATV	ı	ı	OH Cable	Along the south of the W22-N405 Connector west of the OCFCD R-O-W	Parallel	1098+50	1177+50	Protect in place
150	4038	U-22	Westminster	Sewer		1	20" VCP (Aband)	Between Bolsa Chica Rd and Seal Beach Blvd along south side of I-405	Parallel	1100+00	1203+50	Protect in place
151	4039	U-24	Seal Beach	Sewer	-	-	15" VCP	Along the north side W22-N405 Connector	Perpendicular	1115+00	-	Protect in place
152	4040	U-27	Verizon	Telephone	·	ı	Buried Cable	Along the north side of Lampson Ave on the north side of I-405	Parallel	1117+50	1190+50	Protect in place
153	4047	U-26	TWC	CATV	1	1	Buried Cable	Along the north side of Lampson Ave on the north side of I-405	Parallel	1163+00	1187+00	Protect in place
154	4045	U-26	SCE	Power	1	1	12 kV UG	Along the north side of Lampson Ave on the north side of I-405	Parallel	1180+00	1190+50	Protect in place
155	4049	U-26	Seal Beach	Water		1	12" ACP	Along the south side of Lampson Ave.	Parallel	1163+00	1184+00	Protect in place
156	4048	U-27	Verizon	Telephone	·	ı	OH Cable (Aband)	Along the south side of SB I-405 between Seal Beach Blvd and Bolsa Chica Rd	Perpendicular	1186+50	-	No Action
157	4054	U-27	Seal Beach	Sewer	-	•	22" VCP (Aband)	Between Bolsa Chica Rd and Seal Beach Blvd along south side of I-405	Perpendicular	1187+00	-	No Action
158	4276	U-27	Verizon	Communicatio n	=	ï	Fiber Optic	North of Old Ranch Parkway	Offset	1195+00	-	Protect in place
159	4056	U-27	TWC	CATV	-	1	Buried Cable	Across I-405	Perpendicular	1195+50	-	Protect in place
160	4057	U-27	TWC	CATV	-	-	Buried Cable	Under Seal Beach Blvd crossing I- 405	Perpendicular	1196+50	-	Protect in place
161	4058	U-27	SCG	Gas	-	1	2" PEM	Along Seal Beach Blvd	Perpendicular	1196+50	-	Protect in place
162	4059	U-27	Verizon	Telephone	-	-	Conduit	On Seal Beach Blvd	Perpendicular	1196+50	-	Protect in place
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Dist COUNTY ROUTE POST MILES NEET TOTAL TOTAL PROJECT No. SHEETS

12,7 Ora,LA 22,73, R0.5/R0.7/R0.3/R3.8 R21.2/R21.8,3.3/24.2 405,605 0.0/1.2,3.5/R1.6,R0.0/R1.2 REGISTERED CIVIL ENGINEER DATE PROFESSION PLANS APPROVAL DATE EXP. CIVIL THE STATE OF CALIFORNIA OR ITS OFFICERS OR ACENTS SHALL NOT BE RESPONSIBLE FOR THE ACCURACY OR COMPLETENESS OF SCANNED COPIES OF THIS PLAN SHEET. PARSONS 2201 DUPONT DRIVE SUITE 200 IRVINE, CA 92612 ORANGE COUNTY TRANSPORTATION AUTHORITY 550 SOUTH MAIN STREET ORANGE, CA 92863

UTILITY U-54

BORDER LAST REVISED 7/2/2010

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RELATIVE BORDER SCALE IS IN INCHES

UNIT 2994

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I-405 EIR/EIS - Protect in Place Utility Report

	Conflict No.	U-Sheet No.	Utility Owner	Туре	Caltrans High Risk	Caltrans Low Risk	Description	Location	Crossing	Station (Begin Station)	Station (End Station)	Disposition
163	4061	U-28	SCE	Power	1	-	12 kV UG	Along the west side of Seal Beach Blvd. south of I-405	Parallel	1199+50	1203+50	Protect in place
164	4062	U-27	Verizon	Telephone	1	1	OH Wire	Along the south side of I-405	Parallel	1200+00	1209+00	Protect in place
165	4069	U-27	SCE	Power	-	-	12 kV UG	Along Old Ranch Road on-ramp west of Seal Beach Blvd. along private properties.	Parallel	1203+00	1206+00	Protect in place
166	4063	U-27	Seal Beach	Water	-	-	12" ACP	Crossing I-405	Perpendicular	1204+00	-	Protect in place
167	4065	U-28	SCG	Gas	-	-	10" (Aband)	Crossing I-405	Perpendicular	1204+00	-	Protect in place
168	4066	U-28	SCG	Gas	-	-	10" (Aband)	Crossing I-405	Perpendicular	1204+00	-	Protect in place
169	4102	U-27	Seal Beach	Sewer	-	-	6" VCP	Along Beverly Manor Rd	Perpendicular	1204+00	-	Protect in place
170	4103	U-28	SCG	Gas	1	-	8" HP	Along Beverly Manor Rd	Perpendicular	1204+00	-	Protect in place
171	4104	U-27	SCG	Gas	-	-	10" (Aband)	Crossing I-405	Perpendicular	1204+00	-	Protect in place
172	4105	U-27	Seal Beach	Water	-	-	18"	Along Beverly Manor Rd	Perpendicular	1204+00	-	Protect in place
173	4106	U-28	Seal Beach	Sewer	-	-	24" VCP (Aband)	Along Beverly Manor Rd	Perpendicular	1204+00	-	Protect in place
174	4108	U-28	SCE	Power	-	-	12 kV OH	Along Beverly Manor Rd	Perpendicular	1204+00	-	Protect in place
175	4110	U-28	Seal Beach	Sewer	-	-	24" (Aband)	Along Beverly Manor Rd	Perpendicular	1204+00	-	Protect in place
176	1034	U-27	OCSD	Sewer	-	-	51" RCP	Along Beverly Manor Rd	Perpendicular	1204+00	-	Protect in place
177	4070	U-27	Seal Beach	Sewer	-	-	6"	Along Beverly Manor on the south side of I-405	Parallel	1204+00	1210+00	Protect in place
178	4071	U-27	Seal Beach	Sewer	-	-	8" VCP	Along Beverly Manor on the south side of I-405	Parallel	1204+00	1210+00	Protect in place
179	4072	U-27	SCG	Gas	1	•	34" HP	Along Beverly Manor on the south side of I-405	Parallel	1204+00	1212+50	Protect in place
180	4064	U-27	SCG	Gas	-	-	16" (Aband)	Crossing I-405	Perpendicular	1205+00	-	Protect in place
181	2098	U-27	SCG	Gas	٧	-	34"	West of Seal Beach Blvd. crossing I- 405	Perpendicular	1207+00	-	Protect in place
182	4067	U-27	Verizon	Telephone	-	-	PVC Cond	Crossing I-405	Perpendicular	1208+00	-	Protect in place

Dist COUNTY ROUTE POST MILES SHEET TOTAL TOTAL PROJECT No. SHEETS

12,7 Ora,LA 22,73, R0.5/R0.7/R0.3/R0.8
405,605 0.0/1.2,3.5/R1.6,R0.0/R1.2 REGISTERED CIVIL ENGINEER DATE PROFESSION PLANS APPROVAL DATE EXP. CIVIL THE STATE OF CALIFORNIA OR ITS OFFICERS OR AGENTS SHALL NOT BE RESPONSIBLE FOR THE ACCURACY OR COMPLETENESS OF SCANNED COPIES OF THIS PLAN SHEET. PARSONS 2201 DUPONT DRIVE SUITE 200 IRVINE, CA 92612 ORANGE COUNTY TRANSPORTATION AUTHORITY 550 SOUTH MAIN STREET ORANGE, CA 92863

UTILITY U-55

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I-405 EIR/EIS - F	Protect in	n Place	Utility	Report
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	Conflict No.	U-Sheet No.	Utility Owner	Туре	Caltrans High Risk	Caltrans Low Risk	Description	Location	Crossing	Station (Begin Station)	Station (End Station)	Disposition
183	4077	U-27	SCE	Power	1	-	12 kV UG	Along Old Ranch Road on-ramp west of Seal Beach Blvd. along private properties.	Perpendicular	1208+00	ı	Protect in place
184	4078	U-27	Seal Beach	Water	-	•	12"	Along Beverly Manor on the south side of I-405	Perpendicular	1209+00	1	Protect in place
185	4079	U-27	Seal Beach	Water	-	-	12"	Along Beverly Manor on the south side of I-405	Perpendicular	1209+00	1	Protect in place
186	4081	U-27	SCG	Gas	-	1	2"	Along Beverly Manor on the south side of I-405	Perpendicular	1212+00	-	Protect in place
187	4279	U-29	Verizon	Communicatio n	-	-	Fiber Optic	Along I-405	Parallel	1215+00	1231+00	Protect in place
188	4080	U-29	SCE	Power	1	-	12 kV UG	Along Beverly Manor on the south side of I-405	Parallel	1215+00	1219+00	Protect in place
189	4074	U-28	TWC	Telephone	1	1	OH Wire	Along Beverly Manor on the south side of I-405	Perpendicular	1220+00	1	Protect in place
190	4076	U-29	Verizon	Telephone	1	1	Conduit	Crossing I-405	Perpendicular	1220+00	1	Protect in place
191	4082	U-29	TWC	CATV	1	-	OH Wire	Along Beverly Manor on the south side of I-405	Perpendicular	1222+00	1	Protect in place
192	4083	U-29	SCE	Power	1	1	12 kV OH	Along Beverly Manor on the south side of I-405	Perpendicular	1222+00	1	Protect in place
193	4073	U-29	SCE	Power	1	1	12 kV OH	Along Beverly Manor on the south side of I-405	Parallel	1227+00	1238+50	Protect in place
194	4084	U-29	Verizon	Telephone			OH Wire	Along Beverly Manor on the south side of I-405	Parallel	1230+00	1233+00	Protect in place
195	4085	U-29	SCE	Power	1	,	12 kV UG	Crossing Beverly Manor Road, along private properties.	Parallel	1230+00	1236+00	Protect in place
196	4075	U-29	Verizon	Telephone	ı	-	Conduit	Along Beverly Manor on the south side of I-405	Parallel	1231+00	1240+00	Protect in place
197	4086	U-30	RLASD	Sewer	-	-	12"	North of Montecito Channel across I- 405	Perpendicular	1246+00	-	Protect in place
198	4088	U-31	PAAP	Oil	1	-	12"	West of SB-605 in dike then crossing I-605	Perpendicular	1275+00	-	Protect in place

Dist COUNTY ROUTE POST MILES SHEET TOTAL TOTAL PROJECT No. SHEETS

12,7 Ora,LA 22,73, R0.5/R0.7/R0.3/R0.8
405,605 0.0/1.2,3.5/R1.6,R0.0/R1.2 REGISTERED CIVIL ENGINEER DATE PROFESSION PLANS APPROVAL DATE EXP. CIVIL THE STATE OF CALIFORNIA OR ITS OFFICERS OR ACENTS SHALL NOT BE RESPONSIBLE FOR THE ACCURACY OR COMPLETENESS OF SCANNED COPIES OF THIS PLAN SHEET. PARSONS 2201 DUPONT DRIVE SUITE 200 IRVINE, CA 92612 ORANGE COUNTY TRANSPORTATION AUTHORITY 550 SOUTH MAIN STREET ORANGE, CA 92863

UTILITY U-56

USERNAME =>p0026525 DGN FILE => ALT 3 UTILITY PLAN Sheets.dgn BORDER LAST REVISED 7/2/2010

RELATIVE BORDER SCALE IS IN INCHES

UNIT 2994